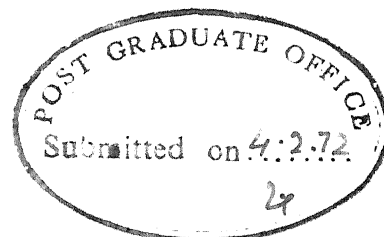


# MOMENTUM AND MASS TRANSFER IN TURBULENT CONICAL WALL JETS

( VOLUME II )



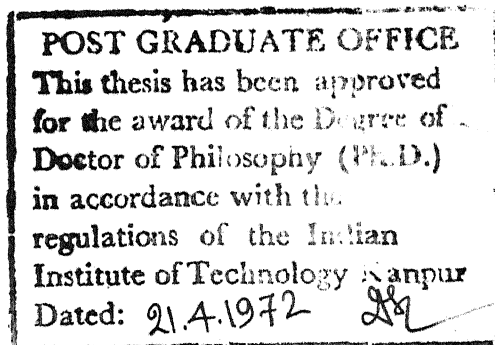
A Thesis Submitted  
In Partial Fulfilment of the Requirements  
for the Degree of  
DOCTOR OF PHILOSOPHY

68131

BY  
RAJENDRA NATH SHARMA

TH  
CHE/1972/D  
Sh 23m

to the



DEPARTMENT OF CHEMICAL ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR

FEBRUARY 1972

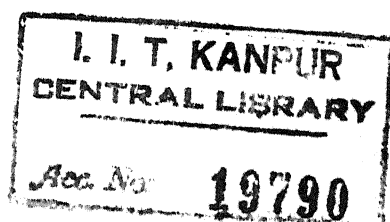
# CONTENTS

## VOLUME II

| TABLE NUMBER    |  | PAGE              |
|-----------------|--|-------------------|
|                 | Key to Data  | A-i               |
| A-1 to A-25     | Velocity Data (Basic)                                | A-1 to<br>A-111   |
| 1 to 25         | Velocity Data (Derived)                              | A-113 to<br>A-125 |
| A-26 to<br>A-62 | Concentration Data                                   | A-126 to<br>A-162 |
| A-63            | Concentration Data (Calibration of<br>Chromatograph) | A-163             |

.....





15 JUN 1972

CHE-1972-D-SHA-MOM

Doc  
660-2-1  
Sh 2.3  
12



KEY TO THE DATA

The tables given on the pages A(ii) and A(iii) explain the physical configurations which were selected for measuring different physical parameters. These readings are tabulated on successive pages and the notation used is as follows:

|                     |   |
|---------------------|---|
| X                   | Streamwise distance, in cms.  |
| Y                   | Cross stream distance, in cms.  |
| YC                  | Slot width, in cms. (the notation used for this in the main text is $y_c$ )         |
| $Y_{1/2}$           | Value of y corresponding to half of the maximum velocity, in cms.                   |
| UC                  | Maximum velocity at the slot, in cms./sec. (Main text notation for this is $u_c$ )  |
| UMAX                | Maximum velocity in cms/sec. (Main text notation for this is $u_{max}$ )            |
| U                   | Mean velocity in x direction, in cms./sec. (Main text notation for this is u)       |
| ALPHA or CONE ANGLE | - Half the angle of the cone, in degrees (Main text notation for this is $\alpha$ ) |
| REC                 | Reynolds number at the slot (Main text notation for this is $Re_c$ )                |
| CW                  | Tracer gas concentration at the wall (Main text notation for this is $C_w$ )        |
| CS                  | Tracer gas concentration at the slot (Main text notation for this is $C_s$ )        |

**VELOCITY DATA SHOULD BE READ UP TO FOUR FIGURES ONLY.**

TABLE 3.1: PROGRAMME OF EXPERIMENTAL INVESTIGATIONS

|        | Slot-width<br>( $y_c$ in cms) |                                | Reference<br>(Table Number)* |                             |
|--------|-------------------------------|--------------------------------|------------------------------|-----------------------------|
|        | for velo-<br>city data        | For con-<br>centration<br>data | For velo-<br>city data       | for concen-<br>tration data |
| 11.25° | 0.1016                        |                                | A-1                          |                             |
|        | 0.1956                        |                                | A-2                          |                             |
|        | 0.2921                        | 0.3327                         | A-3                          | A-26, A-27                  |
|        | 0.6020                        | 0.6325                         | A-4                          | A-28, A-29                  |
|        | 1.2624                        | 1.2675                         | A-5                          | A-30, A-31                  |
| 37.12° | 0.1016                        |                                | A-6                          |                             |
|        | 0.1956                        |                                | A-7                          |                             |
|        | 0.3150                        | 0.3175                         | A-8                          | A-32, A-33                  |
|        | 0.6210                        | 0.6350                         | A-9                          | A-34, A-35                  |
|        | 1.2650                        | 1.2675                         | A-10                         | A-36, A-37                  |
| 53.92° | 0.1029                        |                                | A-11                         |                             |
|        | 0.2057                        |                                | A-12                         |                             |
|        | 0.3073                        | 0.3277                         | A-13                         | A-38, A-39                  |
|        | 0.6058                        | 0.6350                         | A-14                         | A-40, A-41                  |
|        | 1.2725                        | 1.2675                         | A-15                         | A-42, A-43<br>A-44          |

Table 3.1 (Continued)

|        | Slot-width<br>( $y_0$ in cms) |                                | Reference<br>(Table Number)* |                             |
|--------|-------------------------------|--------------------------------|------------------------------|-----------------------------|
|        | for velo-<br>city data        | for concen-<br>tration<br>data | for velo-<br>city data       | for concen-<br>tration data |
| 70.08° | 0.1016                        |                                | A-16                         |                             |
|        | 0.1956                        |                                | A-17                         |                             |
|        | 0.3048                        | 0.3302                         | A-18                         | A-45, A-46                  |
|        | 0.6350                        | 0.6350                         | A-19                         | A-47, A-48                  |
|        | 1.2700                        | 1.2649                         | A-20                         | A-49, A-50                  |
| 90.00° | 0.0991                        |                                | A-21                         |                             |
|        | 0.1956                        |                                | A-22                         |                             |
|        | 0.2921                        | 0.3251                         | A-23                         | A-51, A-52                  |
|        | 0.5842                        | 0.3226                         | A-24                         | A-53, A-54                  |
|        | 1.2573                        | 0.6350                         | A-25                         | A-55, A-56,<br>A-57         |
|        |                               | 0.6426                         |                              | A-58                        |
|        |                               | 1.2624                         |                              | A-59, A-60                  |
|        |                               | 1.2725                         |                              | A-61, A-62                  |
|        |                               |                                |                              |                             |

\*Tables referred to here can be found in the 2nd volume of the thesis containing experimental data.

Jet-fluid = AIR

Jet-fluid density = 0.075 lb<sub>m</sub>/cu.ft.

Tracer gas - Acetylene

REC= 33650

[illegible]

| X---- | 0.00 |   | 1.74 |   | 2.74 |        | 3.74   |  |
|-------|------|---|------|---|------|--------|--------|--|
| Y     | U    | Y | U    | Y | U    | Y      | U      |  |
|       |      |   |      |   |      | 0.6800 | 454.68 |  |
|       |      |   |      |   |      | 0.7200 | 340.25 |  |
|       |      |   |      |   |      | 0.7600 | 272.81 |  |
|       |      |   |      |   |      | 0.8200 | 111.37 |  |

TABLE A- 1

ALPHA= 11.25

YC= 0.1016

REC= 3363.0

| X----  | 4.74    |        | 5.74    |        | 6.74    |        | 7.74    |  |
|--------|---------|--------|---------|--------|---------|--------|---------|--|
| Y      | U       | Y      | U       | Y      | U       | Y      | U       |  |
| 0.0600 | 1617.14 | 0.0600 | 1381.83 | 0.0600 | 1230.90 | 0.0600 | 1087.68 |  |
| 0.0650 | 1613.96 | 0.0670 | 1383.61 | 0.0630 | 1228.48 | 0.0650 | 1095.02 |  |
| 0.0700 | 1626.72 | 0.0720 | 1389.57 | 0.0680 | 1253.47 | 0.0700 | 1095.02 |  |
| 0.0750 | 1643.16 | 0.0770 | 1408.78 | 0.0730 | 1261.69 | 0.0750 | 1095.02 |  |
| 0.0800 | 1645.67 | 0.0820 | 1413.18 | 0.0780 | 1266.60 | 0.0850 | 1113.74 |  |
| 0.0850 | 1655.69 | 0.0870 | 1430.62 | 0.0830 | 1269.86 | 0.0900 | 1132.15 |  |
| 0.0900 | 1655.69 | 0.0920 | 1430.62 | 0.0880 | 1274.73 | 0.0950 | 1135.80 |  |
| 0.0950 | 1655.69 | 0.0970 | 1430.62 | 0.0980 | 1282.82 | 0.1050 | 1150.26 |  |
| 0.1000 | 1655.69 | 0.1070 | 1434.95 | 0.1080 | 1286.04 | 0.1100 | 1150.26 |  |
| 0.1050 | 1655.69 | 0.1170 | 1437.83 | 0.1180 | 1289.25 | 0.1150 | 1159.22 |  |
| 0.1150 | 1655.69 | 0.1270 | 1440.70 | 0.1280 | 1289.25 | 0.1200 | 1159.22 |  |
| 0.1200 | 1655.69 | 0.1370 | 1445.00 | 0.1380 | 1289.25 | 0.1350 | 1164.55 |  |
| 0.1300 | 1651.94 | 0.1470 | 1445.00 | 0.1480 | 1289.25 | 0.1450 | 1168.10 |  |
| 0.1400 | 1651.94 | 0.1570 | 1445.00 | 0.1680 | 1289.25 | 0.1550 | 1171.63 |  |
| 0.1600 | 1636.86 | 0.1670 | 1445.00 | 0.1880 | 1286.04 | 0.1650 | 1168.10 |  |
| 0.1700 | 1613.96 | 0.1770 | 1437.83 | 0.1980 | 1282.82 | 0.1750 | 1168.10 |  |
| 0.1900 | 1601.10 | 0.1870 | 1430.62 | 0.2180 | 1269.86 | 0.1950 | 1168.10 |  |
| 0.2100 | 1575.07 | 0.1970 | 1416.10 | 0.2380 | 1261.69 | 0.2150 | 1168.10 |  |
| 0.2300 | 1548.59 | 0.2070 | 1408.78 | 0.2580 | 1245.20 | 0.2350 | 1164.55 |  |
| 0.2500 | 1510.75 | 0.2170 | 1401.42 | 0.2780 | 1228.48 | 0.2550 | 1159.22 |  |
| 0.2700 | 1466.31 | 0.2270 | 1394.03 | 0.2980 | 1220.04 | 0.2750 | 1135.80 |  |
| 0.2900 | 1423.38 | 0.2370 | 1391.06 | 0.3180 | 1211.54 | 0.3050 | 1122.98 |  |
| 0.3100 | 1401.42 | 0.2470 | 1382.11 | 0.3380 | 1182.17 | 0.3350 | 1117.45 |  |
| 0.3300 | 1367.07 | 0.2670 | 1364.05 | 0.3780 | 1146.66 | 0.3550 | 1104.42 |  |
| 0.3500 | 1325.61 | 0.2870 | 1333.39 | 0.4080 | 1117.45 | 0.3950 | 1066.32 |  |
| 0.3700 | 1269.86 | 0.3070 | 1309.93 | 0.4380 | 1095.02 | 0.4250 | 1046.76 |  |
| 0.3900 | 1228.48 | 0.3170 | 1302.01 | 0.4680 | 1040.81 | 0.4550 | 1020.76 |  |
| 0.4100 | 1206.41 | 0.3370 | 1286.04 | 0.5080 | 1006.48 | 0.4950 | 996.16  |  |
| 0.4300 | 1176.92 | 0.3570 | 1253.47 | 0.5380 | 975.18  | 0.5250 | 953.75  |  |
| 0.4500 | 1141.24 | 0.3770 | 1220.04 | 0.5680 | 931.82  | 0.5550 | 931.82  |  |
| 0.4700 | 1075.97 | 0.3970 | 1185.67 | 0.5980 | 904.81  | 0.5950 | 897.93  |  |



TABLE A- 1

ALPHA= 11.25

YC= 0.1016

REC= 3363.0

| X--- 8.74 |         | 9.74   |        | 10.74  |        | 11.74  |        |
|-----------|---------|--------|--------|--------|--------|--------|--------|
| Y         | U       | Y      | U      | Y      | U      | Y      | U      |
| 0.0600    | 987.67  | 0.0600 | 888.08 | 0.0600 | 814.96 | 0.0600 | 743.02 |
| 0.0700    | 985.73  | 0.0630 | 890.99 | 0.0630 | 825.97 | 0.0770 | 787.53 |
| 0.0800    | 985.73  | 0.0680 | 897.93 | 0.0680 | 838.39 | 0.0870 | 808.26 |
| 0.0900    | 1000.30 | 0.0730 | 897.93 | 0.0730 | 843.31 | 0.0970 | 813.36 |
| 0.1000    | 1012.63 | 0.0830 | 909.36 | 0.0780 | 850.63 | 0.1070 | 813.36 |
| 0.1100    | 1020.76 | 0.0930 | 920.66 | 0.0830 | 862.70 | 0.1170 | 818.43 |
| 0.1200    | 1036.83 | 0.1030 | 942.85 | 0.0930 | 862.70 | 0.1370 | 813.36 |
| 0.1300    | 1046.76 | 0.1130 | 953.75 | 0.1030 | 874.60 | 0.1470 | 813.36 |
| 0.1400    | 1056.59 | 0.1230 | 968.80 | 0.1230 | 886.34 | 0.1670 | 818.43 |
| 0.1500    | 1056.59 | 0.1330 | 979.42 | 0.1330 | 897.93 | 0.1870 | 838.39 |
| 0.1600    | 1056.59 | 0.1430 | 979.42 | 0.1430 | 904.81 | 0.2070 | 862.70 |
| 0.1800    | 1056.59 | 0.1530 | 979.42 | 0.1530 | 909.36 | 0.2170 | 862.70 |
| 0.2000    | 1062.44 | 0.1630 | 979.42 | 0.1630 | 909.36 | 0.2270 | 862.70 |
| 0.2200    | 1062.44 | 0.1830 | 992.00 | 0.1830 | 909.36 | 0.2470 | 862.70 |
| 0.2400    | 1062.44 | 0.1930 | 992.00 | 0.2030 | 916.16 | 0.2670 | 862.70 |
| 0.2700    | 1062.44 | 0.2030 | 996.16 | 0.2230 | 927.37 | 0.2970 | 850.63 |
| 0.3000    | 1056.59 | 0.2130 | 996.16 | 0.2430 | 916.16 | 0.3270 | 850.63 |
| 0.3300    | 1036.83 | 0.2230 | 996.16 | 0.2730 | 913.90 | 0.3470 | 843.31 |
| 0.3500    | 1026.82 | 0.2330 | 996.16 | 0.3130 | 909.36 | 0.3970 | 838.39 |
| 0.3800    | 1002.37 | 0.2430 | 996.16 | 0.3530 | 904.81 | 0.4470 | 825.97 |
| 0.4100    | 992.00  | 0.2530 | 996.16 | 0.3930 | 886.34 | 0.4970 | 800.55 |
| 0.4500    | 979.42  | 0.2630 | 992.00 | 0.4230 | 874.60 | 0.5470 | 787.53 |
| 0.4800    | 942.85  | 0.2830 | 992.00 | 0.4630 | 862.70 | 0.6470 | 760.83 |
| 0.5100    | 920.66  | 0.3030 | 992.00 | 0.5130 | 845.76 | 0.7470 | 704.39 |
| 0.5400    | 909.36  | 0.3330 | 985.73 | 0.5630 | 825.97 | 0.8470 | 652.59 |
| 0.5700    | 886.34  | 0.3630 | 964.53 | 0.6130 | 792.77 | 0.9470 | 592.83 |
| 0.6000    | 850.63  | 0.3930 | 942.85 | 0.6430 | 774.30 | 1.0470 | 549.39 |
| 0.6300    | 850.63  | 0.4130 | 931.82 | 0.6930 | 733.15 | 1.1470 | 498.08 |
| 0.6800    | 813.36  | 0.4430 | 927.37 | 0.7430 | 713.14 | 1.2470 | 431.35 |
| 0.7300    | 782.26  | 0.4830 | 897.93 | 0.7930 | 689.56 | 1.3470 | 363.75 |
| 0.7800    | 733.15  | 0.5130 | 886.34 | 0.8430 | 658.90 | 1.4470 | 287.57 |
| 0.8300    | 683.54  | 0.5430 | 862.70 | 0.9430 | 592.83 | 1.5470 | 203.34 |
| 0.8700    | 649.42  | 0.5930 | 825.97 | 1.0430 | 537.99 | 1.6470 | 90.94  |
| 0.9100    | 616.76  | 0.6330 | 813.36 | 1.1430 | 476.87 |        |        |
| 0.9500    | 585.82  | 0.6730 | 782.26 | 1.2430 | 406.68 |        |        |
| 0.9900    | 549.39  | 0.7130 | 760.83 | 1.3430 | 352.20 |        |        |
| 1.0300    | 537.99  | 0.7530 | 733.15 | 1.4430 | 287.57 |        |        |
| 1.0600    | 498.08  | 0.8030 | 704.39 | 1.5430 | 203.34 |        |        |
| 1.1100    | 454.68  | 0.8530 | 668.24 | 1.6430 | 0.00   |        |        |
| 1.1500    | 406.68  | 0.9030 | 626.74 |        |        |        |        |
| 1.2100    | 363.75  | 0.9530 | 592.83 |        |        |        |        |
| 1.2600    | 321.51  | 1.0030 | 545.62 |        |        |        |        |
| 1.3200    | 265.12  | 1.0530 | 498.08 |        |        |        |        |



| 8.74   |        | 9.74   |        | 10.74 |   | 11.74 |   |
|--------|--------|--------|--------|-------|---|-------|---|
| Y      | U      | Y      | U      | Y     | U | Y     | U |
| 1.3600 | 203.34 | 1.1530 | 431.35 |       |   |       |   |
| 1.4000 | 192.91 | 1.2530 | 396.38 |       |   |       |   |
|        |        | 1.3530 | 340.25 |       |   |       |   |
|        |        | 1.4530 | 203.34 |       |   |       |   |
|        |        | 1.5530 | 0.00   |       |   |       |   |

TABLE A- 1

ALPHA= 11.25

YC= 0.1016

REC= 3365.0

| 12.74  |        | 13.74  |        |   |   |   |   |
|--------|--------|--------|--------|---|---|---|---|
| Y      | U      | Y      | U      | Y | U | Y | U |
| 0.0600 | 675.73 | 0.0600 | 634.55 |   |   |   |   |
| 0.0710 | 704.39 | 0.0900 | 674.40 |   |   |   |   |
| 0.0760 | 718.92 | 0.1300 | 704.39 |   |   |   |   |
| 0.0860 | 733.15 | 0.1800 | 747.12 |   |   |   |   |
| 0.0960 | 752.63 | 0.2500 | 760.83 |   |   |   |   |
| 0.1060 | 752.63 | 0.3500 | 760.83 |   |   |   |   |
| 0.1160 | 760.83 | 0.4500 | 733.15 |   |   |   |   |
| 0.1260 | 760.83 | 0.5500 | 704.39 |   |   |   |   |
| 0.1460 | 779.62 | 0.6500 | 674.40 |   |   |   |   |
| 0.1660 | 787.53 | 0.7500 | 643.02 |   |   |   |   |
| 0.1860 | 800.55 | 0.8500 | 610.02 |   |   |   |   |
| 0.2060 | 800.55 | 0.9500 | 575.13 |   |   |   |   |
| 0.2260 | 813.36 | 1.0500 | 537.99 |   |   |   |   |
| 0.2560 | 813.36 | 1.1500 | 498.08 |   |   |   |   |
| 0.2860 | 813.36 | 1.2500 | 454.68 |   |   |   |   |
| 0.3060 | 813.36 | 1.3500 | 406.68 |   |   |   |   |
| 0.3360 | 813.36 | 1.4500 | 352.20 |   |   |   |   |
| 0.3660 | 813.36 | 1.5500 | 287.57 |   |   |   |   |
| 0.3960 | 787.53 | 1.6500 | 203.34 |   |   |   |   |
| 0.4260 | 782.26 | 1.7500 | 143.78 |   |   |   |   |
| 0.4660 | 766.24 | 1.8500 | 0.00   |   |   |   |   |
| 0.4960 | 766.24 |        |        |   |   |   |   |
| 0.5460 | 755.37 |        |        |   |   |   |   |
| 0.5960 | 727.49 |        |        |   |   |   |   |
| 0.6460 | 718.92 |        |        |   |   |   |   |
| 0.7460 | 689.56 |        |        |   |   |   |   |
| 0.8460 | 616.76 |        |        |   |   |   |   |
| 0.9460 | 582.28 |        |        |   |   |   |   |
| 0.9960 | 556.87 |        |        |   |   |   |   |
| 1.0460 | 530.25 |        |        |   |   |   |   |

| X---- | 12.74  |        | 13.74 |   |
|-------|--------|--------|-------|---|
|       | Y      | U      | Y     | U |
|       | 1.0960 | 498.08 |       |   |
|       | 1.1460 | 476.87 |       |   |
|       | 1.2460 | 445.50 |       |   |
|       | 1.3460 | 396.38 |       |   |
|       | 1.4460 | 321.51 |       |   |
|       | 1.5460 | 257.21 |       |   |
|       | 1.6460 | 192.91 |       |   |
|       | 1.7460 | 64.30  |       |   |

TABLE A- 2

ALPHA= 11.25

YC= 0.1956

REC= 6474.0

| X---- | 0.00   |         | 1.80   |         | 3.80   |         | 5.80   |         |
|-------|--------|---------|--------|---------|--------|---------|--------|---------|
|       | Y      | U       | Y      | U       | Y      | U       | Y      | U       |
|       | 0.0600 | 4948.83 | 0.0600 | 4215.01 | 0.0600 | 3176.00 | 0.0600 | 2593.19 |
|       | 0.0670 | 4939.11 | 0.0650 | 4206.73 | 0.0710 | 3189.26 | 0.0650 | 2588.10 |
|       | 0.0720 | 4939.11 | 0.0750 | 4211.64 | 0.0810 | 3215.09 | 0.0700 | 2604.02 |
|       | 0.0770 | 4939.11 | 0.0850 | 4265.30 | 0.0910 | 3221.51 | 0.0800 | 2635.59 |
|       | 0.0820 | 4939.11 | 0.0900 | 4289.46 | 0.1010 | 3202.20 | 0.0900 | 2659.02 |
|       | 0.0920 | 4960.00 | 0.0950 | 4299.09 | 0.1110 | 3182.77 | 0.1000 | 2659.02 |
|       | 0.1020 | 4939.11 | 0.1050 | 4265.30 | 0.1210 | 3163.23 | 0.1100 | 2659.02 |
|       | 0.1120 | 4939.11 | 0.1100 | 4255.59 | 0.1310 | 3150.13 | 0.1200 | 2651.23 |
|       | 0.1220 | 4939.11 | 0.1150 | 4216.55 | 0.1410 | 3150.13 | 0.1300 | 2651.23 |
|       | 0.1320 | 4939.11 | 0.1250 | 4167.23 | 0.1610 | 3103.85 | 0.1400 | 2643.42 |
|       | 0.1420 | 4897.08 | 0.1350 | 4092.14 | 0.1810 | 3022.87 | 0.1500 | 2635.59 |
|       | 0.1470 | 4897.08 | 0.1450 | 4066.80 | 0.2010 | 2946.68 | 0.1600 | 2627.73 |
|       | 0.1520 | 4875.92 | 0.1550 | 4025.93 | 0.2210 | 2861.25 | 0.1800 | 2588.10 |
|       | 0.1690 | 4725.20 | 0.1650 | 3937.66 | 0.2410 | 2795.46 | 0.2000 | 2555.94 |
|       | 0.2690 | 1202.98 | 0.1750 | 3863.46 | 0.2610 | 2720.50 | 0.2200 | 2498.68 |
|       | 0.3690 | 0.00    | 0.1850 | 3738.36 | 0.2810 | 2635.59 | 0.2400 | 2482.08 |
|       |        |         | 0.1950 | 3568.60 | 0.3010 | 2482.08 | 0.2600 | 2431.59 |
|       |        |         | 0.2050 | 3402.53 | 0.3210 | 2388.70 | 0.2900 | 2336.20 |
|       |        |         | 0.2150 | 3266.12 | 0.3410 | 2309.50 | 0.3100 | 2291.53 |
|       |        |         | 0.2250 | 3150.13 | 0.3610 | 2236.74 | 0.3300 | 2227.48 |
|       |        |         | 0.2350 | 3050.10 | 0.3810 | 2132.65 | 0.3600 | 2180.58 |
|       |        |         | 0.2450 | 3002.28 | 0.4010 | 2002.67 | 0.4100 | 2033.40 |
|       |        |         | 0.2550 | 2953.68 | 0.4110 | 1950.37 | 0.4300 | 1981.91 |
|       |        |         | 0.2650 | 2861.25 | 0.4210 | 1896.63 | 0.4600 | 1934.40 |
|       |        |         | 0.2750 | 2743.21 | 0.4310 | 1852.52 | 0.4900 | 1818.73 |
|       |        |         | 0.2850 | 2580.10 | 0.4410 | 1821.00 | 0.5100 | 1736.15 |
|       |        |         | 0.2950 | 2405.95 | 0.4510 | 1800.45 | 0.5400 | 1670.61 |

| X--- 0.00 |         | 1.80   |         | 3.80   |         | 5.80 |   |
|-----------|---------|--------|---------|--------|---------|------|---|
| Y         | U       | Y      | U       | Y      | U       | Y    | U |
| 0.3050    | 2245.96 | 0.4610 | 1760.98 | 0.5700 | 1601.10 |      |   |
| 0.3250    | 2033.40 | 0.4710 | 1713.37 | 0.6000 | 1480.34 |      |   |
| 0.3350    | 1932.27 | 0.4810 | 1645.67 | 0.6300 | 1386.59 |      |   |
| 0.3450    | 1872.50 | 0.4910 | 1575.07 | 0.6600 | 1333.39 |      |   |
| 0.3550    | 1818.73 | 0.5110 | 1445.00 | 0.6900 | 1228.48 |      |   |
| 0.3650    | 1725.40 | 0.5310 | 1341.12 | 0.7200 | 1113.74 |      |   |
| 0.3750    | 1616.52 | 0.5510 | 1302.01 | 0.7500 | 1085.54 |      |   |
| 0.3850    | 1473.34 | 0.5710 | 1220.04 | 0.7800 | 975.18  |      |   |
| 0.3950    | 1317.79 | 0.5910 | 1075.97 | 0.8100 | 867.48  |      |   |
| 0.4050    | 1185.67 | 0.6110 | 953.75  | 0.8400 | 813.36  |      |   |
| 0.4150    | 1046.76 | 0.6310 | 886.34  | 0.8700 | 733.15  |      |   |
| 0.4250    | 975.18  | 0.6510 | 833.45  | 0.9000 | 636.55  |      |   |
| 0.4350    | 886.34  | 0.6710 | 760.83  | 0.9200 | 575.13  |      |   |
| 0.4450    | 833.45  | 0.6910 | 636.55  | 0.9400 | 537.99  |      |   |
| 0.4550    | 800.55  | 0.7110 | 537.99  | 0.9600 | 510.38  |      |   |
| 0.4750    | 639.79  | 0.7310 | 454.68  | 0.9800 | 454.68  |      |   |
| 0.4850    | 506.31  | 0.7510 | 411.73  | 1.0100 | 340.25  |      |   |
| 0.4950    | 396.38  | 0.7710 | 321.51  | 1.0400 | 287.57  |      |   |
| 0.5050    | 249.04  | 0.7910 | 203.34  | 1.1000 | 203.34  |      |   |
| 0.5150    | 90.94   | 0.8110 | 0.00    | 1.2000 | 111.37  |      |   |

TABLE A- 2

ALPHA= 11.25

YC= 0.1956

REC= 6474.0

| X--- 7.80 |         | 10.80  |         | 13.80  |         | 17.80  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600    | 2194.35 | 0.0600 | 1787.81 | 0.0600 | 1517.83 | 0.0600 | 1272.36 |
| 0.0740    | 2208.84 | 0.0650 | 1807.33 | 0.0710 | 1536.53 | 0.0750 | 1294.05 |
| 0.0840    | 2236.74 | 0.0700 | 1807.33 | 0.0810 | 1575.07 | 0.0850 | 1325.61 |
| 0.0940    | 2236.74 | 0.0750 | 1830.06 | 0.0910 | 1607.54 | 0.0950 | 1356.45 |
| 0.1040    | 2245.96 | 0.0800 | 1852.52 | 0.1110 | 1624.18 | 0.1150 | 1379.12 |
| 0.1240    | 2245.96 | 0.0850 | 1858.09 | 0.1310 | 1639.38 | 0.1350 | 1382.11 |
| 0.1440    | 2236.74 | 0.0950 | 1880.21 | 0.1510 | 1651.94 | 0.1650 | 1408.78 |
| 0.1640    | 2245.96 | 0.1050 | 1894.45 | 0.1710 | 1664.41 | 0.1950 | 1419.02 |
| 0.1840    | 2227.48 | 0.1150 | 1891.17 | 0.1910 | 1658.19 | 0.2350 | 1437.83 |
| 0.2040    | 2218.18 | 0.1250 | 1896.63 | 0.2110 | 1664.41 | 0.2650 | 1430.62 |
| 0.2240    | 2208.84 | 0.1350 | 1897.72 | 0.2410 | 1661.92 | 0.2950 | 1430.62 |
| 0.2540    | 2161.53 | 0.1450 | 1905.33 | 0.2710 | 1651.94 | 0.3350 | 1419.02 |
| 0.2940    | 2122.93 | 0.1550 | 1900.98 | 0.3010 | 1651.94 | 0.3750 | 1419.02 |

| X--- 7.80 |         | 10.80  |         | 13.80  |         | 17.80  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.3240    | 2083.62 | 0.1650 | 1900.98 | 0.3410 | 1629.26 | 0.4150 | 1408.78 |
| 0.3640    | 2023.21 | 0.1750 | 1905.33 | 0.3710 | 1601.10 | 0.4550 | 1394.03 |
| 0.3940    | 1950.37 | 0.1850 | 1904.24 | 0.4010 | 1575.07 | 0.4850 | 1386.59 |
| 0.4340    | 1891.17 | 0.2050 | 1902.07 | 0.4410 | 1568.49 | 0.5350 | 1356.45 |
| 0.4640    | 1852.52 | 0.2250 | 1891.17 | 0.4810 | 1548.59 | 0.5850 | 1333.39 |
| 0.4940    | 1772.68 | 0.2450 | 1885.70 | 0.5310 | 1508.01 | 0.6350 | 1302.01 |
| 0.5240    | 1725.40 | 0.2750 | 1869.18 | 0.5810 | 1480.34 | 0.6850 | 1286.04 |
| 0.5540    | 1676.78 | 0.3050 | 1824.40 | 0.6310 | 1437.83 | 0.7350 | 1253.47 |
| 0.5840    | 1601.10 | 0.3450 | 1813.04 | 0.6810 | 1401.42 | 0.7850 | 1245.20 |
| 0.6140    | 1541.90 | 0.3850 | 1778.50 | 0.7310 | 1364.05 | 0.8350 | 1211.54 |
| 0.6540    | 1494.24 | 0.4250 | 1737.34 | 0.7810 | 1302.01 | 0.8850 | 1185.67 |
| 0.6940    | 1386.59 | 0.4750 | 1707.33 | 0.8310 | 1269.86 | 0.9350 | 1168.10 |
| 0.7340    | 1317.79 | 0.5150 | 1638.12 | 0.8810 | 1220.04 | 0.9850 | 1132.15 |
| 0.7740    | 1245.20 | 0.5550 | 1620.35 | 0.9310 | 1194.35 | 1.0350 | 1095.02 |
| 0.8140    | 1168.10 | 0.5950 | 1564.53 | 0.9810 | 1159.22 | 1.0850 | 1056.59 |
| 0.8440    | 1113.74 | 0.6350 | 1521.66 | 1.0310 | 1113.74 | 1.1350 | 1036.83 |
| 0.8740    | 1056.59 | 0.6750 | 1483.13 | 1.0810 | 1066.32 | 1.1850 | 1016.70 |
| 0.9040    | 985.73  | 0.7250 | 1408.78 | 1.1310 | 1016.70 | 1.2350 | 979.42  |
| 0.9440    | 920.66  | 0.7750 | 1351.87 | 1.1810 | 975.18  | 1.2850 | 953.75  |
| 0.9840    | 838.39  | 0.8250 | 1294.05 | 1.2310 | 909.36  | 1.3350 | 920.66  |
| 1.0240    | 758.11  | 0.8750 | 1228.48 | 1.2810 | 886.34  | 1.3850 | 886.34  |
| 1.0640    | 713.14  | 0.9250 | 1164.55 | 1.3310 | 843.31  | 1.4350 | 862.70  |
| 1.1040    | 613.40  | 0.9750 | 1113.74 | 1.3810 | 813.36  | 1.4850 | 825.97  |
| 1.1340    | 575.13  | 1.0250 | 1046.76 | 1.4310 | 747.12  | 1.5850 | 782.26  |
| 1.1640    | 534.13  | 1.0750 | 1006.48 | 1.4810 | 704.39  | 1.6850 | 704.39  |
| 1.1940    | 454.68  | 1.1250 | 931.82  | 1.5310 | 643.02  | 1.7850 | 643.02  |
| 1.2340    | 401.56  | 1.1750 | 862.70  | 1.5810 | 623.43  | 1.8850 | 585.82  |
| 1.2740    | 287.57  | 1.2250 | 776.96  | 1.6310 | 575.13  | 1.9850 | 537.99  |
| 1.3140    | 249.04  | 1.2750 | 733.15  | 1.6810 | 537.99  | 2.0850 | 476.87  |
| 1.3540    | 157.51  | 1.3250 | 668.24  | 1.7310 | 498.08  | 2.1850 | 416.72  |
| 1.3740    | 64.30   | 1.3750 | 610.02  | 1.7810 | 454.68  | 2.2850 | 321.51  |
|           |         | 1.4250 | 537.99  | 1.8810 | 380.41  | 2.3850 | 287.57  |
|           |         | 1.4750 | 493.91  | 1.9810 | 287.57  | 2.4850 | 203.34  |
|           |         | 1.5250 | 406.68  | 2.0810 | 181.87  | 2.5850 | 143.78  |
|           |         | 1.6250 | 287.57  | 2.1810 | 0.00    | 2.6850 | 0.00    |
|           |         | 1.6750 | 249.04  |        |         |        |         |
|           |         | 1.7250 | 143.78  |        |         |        |         |

TABLE A- 2

ALPHA= 11.25

YC= 0.1956

REC= 6474.0

| X--- 21.80 |         | 25.80  |         | 29.80  |         | 33.80  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600     | 1097.18 | 0.0600 | 951.27  | 0.0600 | 869.19  | 0.0600 | 852.31  |
| 0.0670     | 1095.02 | 0.0710 | 958.07  | 0.0830 | 876.96  | 0.0810 | 881.66  |
| 0.0770     | 1113.74 | 0.0810 | 981.52  | 0.1230 | 920.66  | 0.1010 | 909.36  |
| 0.0870     | 1141.24 | 0.1010 | 1016.70 | 0.1730 | 975.18  | 0.1210 | 931.82  |
| 0.1070     | 1194.35 | 0.1210 | 1052.67 | 0.2130 | 1016.70 | 0.1410 | 942.85  |
| 0.1270     | 1202.98 | 0.1410 | 1079.81 | 0.2630 | 1026.82 | 0.1610 | 964.53  |
| 0.1570     | 1228.48 | 0.1710 | 1098.79 | 0.3430 | 1026.82 | 0.2010 | 979.42  |
| 0.1970     | 1261.69 | 0.2010 | 1104.42 | 0.3930 | 1026.82 | 0.2510 | 996.16  |
| 0.2370     | 1256.77 | 0.2310 | 1132.15 | 0.4430 | 1044.78 | 0.3010 | 1006.48 |
| 0.2670     | 1253.47 | 0.2610 | 1135.80 | 0.5430 | 1036.83 | 0.3510 | 1016.70 |
| 0.2970     | 1261.69 | 0.3010 | 1137.61 | 0.6430 | 1016.70 | 0.4010 | 1016.70 |
| 0.3270     | 1261.69 | 0.3210 | 1141.24 | 0.7430 | 1012.63 | 0.4510 | 1016.70 |
| 0.3670     | 1256.77 | 0.3410 | 1150.26 | 0.8430 | 1012.63 | 0.5010 | 1020.76 |
| 0.3970     | 1253.47 | 0.3710 | 1146.66 | 0.9430 | 996.16  | 0.5510 | 1016.70 |
| 0.4470     | 1250.17 | 0.4010 | 1146.66 | 1.1430 | 931.82  | 0.6510 | 1016.70 |
| 0.4970     | 1236.87 | 0.4410 | 1150.26 | 1.3430 | 897.93  | 0.8510 | 992.00  |
| 0.5470     | 1228.48 | 0.4810 | 1150.26 | 1.5430 | 805.70  | 1.0510 | 949.40  |
| 0.5970     | 1216.65 | 0.5210 | 1150.26 | 1.7430 | 774.30  | 1.3510 | 897.93  |
| 0.6470     | 1185.67 | 0.5710 | 1104.42 | 1.9430 | 718.92  | 1.7510 | 792.77  |
| 0.6970     | 1176.92 | 0.6210 | 1104.42 | 2.1430 | 643.02  | 1.9510 | 727.49  |
| 0.7470     | 1150.26 | 0.6710 | 1095.02 | 2.3430 | 592.83  | 2.5510 | 575.13  |
| 0.7970     | 1141.24 | 0.7210 | 1093.13 | 2.5430 | 530.25  | 2.9510 | 498.08  |
| 0.8970     | 1113.74 | 0.8210 | 1066.32 | 2.7430 | 476.87  |        |         |
| 0.9970     | 1075.97 | 0.9210 | 1046.76 | 2.9430 | 406.68  |        |         |
| 1.0970     | 1032.84 | 1.0210 | 996.16  | 3.1430 | 363.75  |        |         |
| 1.1970     | 975.18  | 1.1210 | 964.53  | 3.3430 | 321.51  |        |         |
| 1.2970     | 940.65  | 1.2210 | 942.85  | 3.5430 | 249.04  |        |         |
| 1.3970     | 890.99  | 1.3210 | 909.36  | 3.7430 | 203.34  |        |         |
| 1.4970     | 838.39  | 1.4210 | 886.34  | 3.9430 | 143.78  |        |         |
| 1.5970     | 813.36  | 1.5210 | 838.39  | 4.0430 | 64.30   |        |         |
| 1.6970     | 760.83  | 1.6210 | 805.70  |        |         |        |         |
| 1.7970     | 718.92  | 1.7210 | 760.83  |        |         |        |         |
| 1.8970     | 668.24  | 1.8210 | 733.15  |        |         |        |         |
| 1.9970     | 616.76  | 1.9210 | 704.39  |        |         |        |         |
| 2.0970     | 575.13  | 2.0210 | 658.90  |        |         |        |         |
| 2.1970     | 530.25  | 2.1210 | 626.74  |        |         |        |         |
| 2.2970     | 476.87  | 2.2210 | 589.34  |        |         |        |         |
| 2.3970     | 431.35  | 2.3210 | 549.39  |        |         |        |         |
| 2.4970     | 380.41  | 2.4210 | 518.42  |        |         |        |         |
| 2.5970     | 352.20  | 2.5210 | 472.52  |        |         |        |         |
| 2.6970     | 287.57  | 2.6210 | 431.35  |        |         |        |         |
| 2.7970     | 249.04  | 2.7210 | 406.68  |        |         |        |         |
| 2.8970     | 203.34  | 2.8210 | 363.75  |        |         |        |         |

| X--- 21.80 |        | 25.80  |        | 29.80 |   | 33.80 |   |
|------------|--------|--------|--------|-------|---|-------|---|
| Y          | U      | Y      | U      | Y     | U | Y     | U |
| 2.9970     | 181.87 | 2.9210 | 340.25 |       |   |       |   |
| 3.0970     | 0.00   | 3.0210 | 308.38 |       |   |       |   |
|            |        | 3.1210 | 287.57 |       |   |       |   |
|            |        | 3.2210 | 249.04 |       |   |       |   |
|            |        | 3.3210 | 203.34 |       |   |       |   |
|            |        | 3.4210 | 181.87 |       |   |       |   |
|            |        | 3.5210 | 64.30  |       |   |       |   |

TABLE A- 3

ALPHA= 11.25

YC= 0.2921

REC= 9645.0

| X--- 0.00 |         | 1.74   |         | 3.74   |         | 5.74   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600    | 4957.22 | 0.0600 | 4383.97 | 0.0600 | 3644.62 | 0.0600 | 2987.42 |
| C.0940    | 4947.48 | 0.0680 | 4427.03 | 0.0640 | 3654.47 | 0.0700 | 2995.39 |
| C.1040    | 4947.48 | 0.0730 | 4482.71 | 0.0690 | 3671.40 | 0.0900 | 3050.10 |
| C.1140    | 4939.11 | 0.0780 | 4519.46 | 0.0790 | 3693.85 | 0.1000 | 3063.63 |
| C.1240    | 4939.11 | 0.0830 | 4533.16 | 0.0890 | 3705.03 | 0.1100 | 3063.63 |
| C.1340    | 4939.11 | 0.0930 | 4569.50 | 0.0990 | 3705.03 | 0.1300 | 3063.63 |
| C.1440    | 4918.14 | 0.1030 | 4605.55 | 0.1090 | 3699.45 | 0.1500 | 3063.63 |
| C.1540    | 4909.72 | 0.1130 | 4636.87 | 0.1190 | 3705.03 | 0.1800 | 3077.09 |
| C.1640    | 4909.72 | 0.1230 | 4667.97 | 0.1290 | 3705.03 | C.2000 | 3056.87 |
| C.1740    | 4897.08 | 0.1330 | 4650.22 | 0.1390 | 3682.64 | 0.2200 | 3050.10 |
| C.1840    | 4867.44 | 0.1430 | 4614.52 | 0.1490 | 3654.47 | 0.2500 | 2932.61 |
| C.1940    | 4811.90 | 0.1530 | 4564.97 | 0.1690 | 3591.70 | 0.2800 | 2765.72 |
| C.2040    | 4725.20 | 0.1630 | 4510.30 | 0.1890 | 3527.82 | 0.3000 | 2712.89 |
| C.2140    | 4601.06 | 0.1730 | 4473.48 | 0.2090 | 3480.62 | 0.3200 | 2674.52 |
| C.2340    | 3963.83 | 0.1930 | 4408.31 | 0.2290 | 3402.53 | 0.3500 | 2666.78 |
| C.2640    | 3521.95 | 0.2130 | 4265.30 | 0.2490 | 3272.45 | 0.3800 | 2572.07 |
| C.2940    | 2728.09 | 0.2330 | 4015.64 | 0.2690 | 3150.13 | 0.4100 | 2490.40 |
|           |         | 0.2430 | 3863.46 | 0.2790 | 3097.18 | 0.4400 | 2405.95 |
|           |         | 0.2630 | 3637.46 | 0.2990 | 3016.02 | 0.4700 | 2255.15 |
|           |         | 0.2830 | 3462.76 | 0.3290 | 2911.39 | 0.5000 | 2180.58 |
|           |         | 0.3030 | 3297.62 | 0.3590 | 2682.24 | 0.5200 | 2132.65 |
|           |         | 0.3230 | 3050.10 | 0.3890 | 2506.94 | 0.5400 | 2103.37 |
|           |         | 0.3430 | 2697.61 | 0.4190 | 2405.95 | 0.5700 | 1950.37 |
|           |         | 0.3630 | 2456.97 | 0.4490 | 2199.46 | 0.5900 | 1880.21 |
|           |         | 0.3830 | 2291.53 | 0.4790 | 2043.54 | 0.6200 | 1835.70 |
|           |         | 0.4030 | 2132.65 | 0.4990 | 1971.45 | 0.6500 | 1716.99 |
|           |         | 0.4230 | 1896.63 | 0.5190 | 1902.07 | 0.6800 | 1581.61 |
|           |         | 0.4330 | 1725.40 | 0.5390 | 1760.98 | 0.7100 | 1508.01 |

| X---- |   | 0.00 |   | 1.74   |         | 3.74   |         | 5.74   |         |
|-------|---|------|---|--------|---------|--------|---------|--------|---------|
|       | Y |      | U | Y      | U       | Y      | U       | Y      | U       |
|       |   |      |   | 0.4430 | 1561.88 | 0.5590 | 1607.54 | 0.7400 | 1430.62 |
|       |   |      |   | 0.4530 | 1452.14 | 0.5790 | 1487.30 | 0.7700 | 1294.05 |
|       |   |      |   | 0.4630 | 1168.10 | 0.5990 | 1423.38 | 0.8000 | 1197.81 |
|       |   |      |   | 0.4730 | 1075.97 | 0.6190 | 1356.45 | 0.8300 | 1132.15 |
|       |   |      |   | 0.4830 | 1012.63 | 0.6390 | 1240.21 | 0.8600 | 1026.82 |
|       |   |      |   | 0.4930 | 970.94  | 0.6490 | 1159.22 | 0.8900 | 909.36  |
|       |   |      |   | 0.5030 | 862.70  | 0.6590 | 1085.54 | 0.9200 | 850.63  |
|       |   |      |   | 0.5130 | 782.26  | 0.6690 | 1026.82 | 0.9500 | 760.83  |
|       |   |      |   | 0.5230 | 649.42  | 0.6790 | 975.18  | 0.9800 | 636.55  |
|       |   |      |   | 0.5330 | 498.08  | 0.6890 | 953.75  | 1.0000 | 592.83  |
|       |   |      |   | 0.5430 | 391.13  | 0.6990 | 920.66  | 1.0200 | 545.62  |
|       |   |      |   | 0.5530 | 272.81  | 0.7190 | 850.63  | 1.0500 | 468.12  |
|       |   |      |   | 0.5630 | 111.37  | 0.7390 | 752.63  | 1.0800 | 363.75  |
|       |   |      |   | 0.5730 | 0.00    | 0.7590 | 610.02  | 1.1100 | 272.81  |
|       |   |      |   |        |         | 0.7790 | 498.08  | 1.1300 | 203.34  |
|       |   |      |   |        |         | 0.7990 | 454.68  | 1.1500 | 0.00    |
|       |   |      |   |        |         | 0.8190 | 380.41  |        |         |
|       |   |      |   |        |         | 0.8390 | 249.04  |        |         |
|       |   |      |   |        |         | 0.8590 | 0.00    |        |         |

TABLE A- 3

ALPHA= 11.25

YC= 0.2921

REC= 9645.0

| X---- |   | 7.74   |         | 10.74  |         | 13.74  |         | 17.74  |         |
|-------|---|--------|---------|--------|---------|--------|---------|--------|---------|
|       | Y |        | U       | Y      | U       | Y      | U       | Y      | U       |
|       |   | 0.0600 | 2511.88 | 0.0600 | 2117.33 | 0.0600 | 1805.14 | 0.0600 | 1469.19 |
|       |   | 0.0670 | 2531.56 | 0.0780 | 2132.65 | 0.0670 | 1801.60 | 0.0740 | 1508.01 |
|       |   | 0.0720 | 2555.94 | 0.0880 | 2132.65 | 0.0770 | 1826.67 | 0.0940 | 1548.59 |
|       |   | 0.0820 | 2588.10 | 0.1080 | 2171.08 | 0.0870 | 1841.32 | 0.1140 | 1575.07 |
|       |   | 0.0920 | 2588.10 | 0.1280 | 2180.58 | 0.0970 | 1869.18 | 0.1340 | 1588.14 |
|       |   | 0.1020 | 2611.95 | 0.1580 | 2208.84 | 0.1070 | 1869.18 | 0.1640 | 1613.96 |
|       |   | 0.1120 | 2627.73 | 0.1880 | 2208.84 | 0.1270 | 1888.98 | 0.1940 | 1626.72 |
|       |   | 0.1220 | 2627.73 | 0.2180 | 2180.58 | 0.1470 | 1896.63 | 0.2340 | 1639.38 |
|       |   | 0.1420 | 2627.73 | 0.2580 | 2171.08 | 0.1670 | 1907.50 | 0.2740 | 1639.38 |
|       |   | 0.1620 | 2619.85 | 0.2980 | 2132.65 | 0.1870 | 1921.54 | 0.3140 | 1626.72 |
|       |   | 0.1820 | 2611.95 | 0.3280 | 2132.65 | 0.2070 | 1929.05 | 0.3640 | 1621.63 |
|       |   | 0.2020 | 2588.10 | 0.3580 | 2122.93 | 0.2270 | 1918.31 | 0.4140 | 1607.54 |
|       |   | 0.2220 | 2572.07 | 0.4080 | 2063.68 | 0.2570 | 1918.31 | 0.4640 | 1594.63 |
|       |   | 0.2520 | 2555.94 | 0.4580 | 2018.09 | 0.2970 | 1907.50 | 0.5640 | 1560.56 |
|       |   | 0.2820 | 2506.94 | 0.5080 | 1950.37 | 0.3370 | 1891.17 | 0.6640 | 1501.14 |
|       |   | 0.3120 | 2473.74 | 0.5580 | 1900.98 | 0.3770 | 1852.52 | 0.7640 | 1459.24 |

| X----- 7.74 |         | 10.74  |         | 13.74  |         | 17.74  |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| C.3420      | 2423.08 | 0.6080 | 1830.06 | 0.4170 | 1835.70 | 0.8640 | 1401.42 |
| C.3820      | 2336.20 | 0.6580 | 1772.68 | 0.4570 | 1801.60 | 0.9640 | 1333.39 |
| C.4220      | 2291.53 | 0.7080 | 1701.26 | 0.5070 | 1760.98 | 1.0640 | 1269.86 |
| C.4520      | 2227.48 | 0.7580 | 1639.38 | 0.5570 | 1739.72 | 1.1640 | 1213.24 |
| C.4920      | 2113.17 | 0.8080 | 1561.88 | 0.6070 | 1689.07 | 1.2640 | 1132.15 |
| C.5320      | 2083.62 | 0.8580 | 1498.38 | 0.6570 | 1645.67 | 1.3640 | 1066.32 |
| C.5720      | 1966.20 | 0.9080 | 1423.38 | 0.7070 | 1594.63 | 1.4140 | 1036.83 |
| C.6120      | 1893.36 | 0.9580 | 1356.45 | 0.8070 | 1516.21 | 1.4640 | 1012.63 |
| C.6420      | 1846.93 | 1.0080 | 1277.97 | 0.8570 | 1466.31 | 1.5140 | 964.53  |
| C.6720      | 1758.63 | 1.0580 | 1211.54 | 0.9070 | 1423.38 | 1.5640 | 949.40  |
| C.7020      | 1682.94 | 1.1080 | 1150.26 | 0.9570 | 1379.12 | 1.6140 | 897.93  |
| C.7320      | 1634.33 | 1.1580 | 1075.97 | 1.0570 | 1289.25 | 1.6640 | 850.63  |
| C.7620      | 1555.25 | 1.2080 | 996.16  | 1.1570 | 1194.35 | 1.7140 | 833.45  |
| C.7920      | 1473.34 | 1.2580 | 942.85  | 1.2570 | 1095.02 | 1.7640 | 800.55  |
| C.8120      | 1442.14 | 1.3080 | 862.70  | 1.3570 | 985.73  | 1.8140 | 760.83  |
| C.8420      | 1401.42 | 1.3580 | 800.55  | 1.4570 | 897.93  | 1.8640 | 738.77  |
| C.8820      | 1269.86 | 1.4080 | 733.15  | 1.5570 | 787.53  | 1.9140 | 689.56  |
| C.9120      | 1220.04 | 1.4580 | 674.40  | 1.6570 | 704.39  | 1.9640 | 668.24  |
| C.9420      | 1185.67 | 1.5080 | 585.82  | 1.7570 | 616.76  | 2.0640 | 592.83  |
| C.9720      | 1085.54 | 1.5580 | 537.99  | 1.8570 | 498.08  | 2.1140 | 556.87  |
| 1.0020      | 1026.82 | 1.6080 | 454.68  | 1.9570 | 406.68  | 2.1640 | 537.99  |
| 1.0320      | 989.91  | 1.6580 | 406.68  | 2.0570 | 352.20  | 2.2640 | 476.87  |
| 1.0720      | 881.66  | 1.7080 | 321.51  | 2.1570 | 249.04  | 2.3640 | 406.68  |
| 1.1020      | 813.36  | 1.7580 | 203.34  | 2.2570 | 90.94   | 2.4640 | 352.20  |
| 1.1420      | 755.37  | 1.8080 | 90.94   |        |         | 2.5640 | 287.57  |
| 1.1820      | 643.02  | 1.8580 | 0.00    |        |         | 2.6640 | 203.34  |
| 1.2120      | 610.02  |        |         |        |         | 2.7640 | 0.00    |
| 1.2420      | 549.39  |        |         |        |         |        |         |
| 1.2720      | 454.68  |        |         |        |         |        |         |
| 1.3020      | 406.68  |        |         |        |         |        |         |
| 1.3320      | 352.20  |        |         |        |         |        |         |
| 1.3320      | 352.20  |        |         |        |         |        |         |
| 1.3620      | 249.04  |        |         |        |         |        |         |
| 1.3920      | 143.78  |        |         |        |         |        |         |



TABLE A- 3

ALPHA= 11.25

YC= 0.2921

REC= 9645.0

| X--- 21.74 |         | 25.74  |         | 29.74  |         | 35.74  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600     | 1272.36 | 0.0600 | 1125.19 | 0.0600 | 1028.84 | 0.0600 | 876.32  |
| C.0700     | 1277.97 | 0.0700 | 1171.63 | 0.0680 | 1026.82 | 0.0720 | 886.34  |
| C.0800     | 1333.39 | 0.0800 | 1185.67 | 0.0780 | 1036.83 | 0.0820 | 916.16  |
| C.0900     | 1348.81 | 0.0900 | 1202.98 | 0.0980 | 1075.97 | 0.1020 | 958.07  |
| C.1000     | 1364.05 | 0.1100 | 1250.17 | 0.1180 | 1113.74 | 0.1220 | 992.00  |
| C.1200     | 1394.03 | 0.1300 | 1261.69 | 0.1380 | 1141.24 | 0.1520 | 1006.48 |
| C.1400     | 1394.03 | 0.1600 | 1269.86 | 0.1680 | 1150.26 | 0.1820 | 1016.70 |
| C.1600     | 1408.78 | 0.1900 | 1269.86 | 0.1980 | 1168.10 | 0.2120 | 1036.83 |
| C.1800     | 1423.38 | 0.2200 | 1286.04 | 0.2380 | 1176.92 | 0.2520 | 1042.80 |
| C.2100     | 1433.51 | 0.2500 | 1292.45 | 0.2680 | 1194.35 | 0.2920 | 1052.67 |
| C.2500     | 1445.00 | 0.2800 | 1309.93 | 0.2980 | 1194.35 | 0.3720 | 1056.59 |
| C.2800     | 1452.14 | 0.3100 | 1309.93 | 0.3280 | 1202.98 | 0.4720 | 1066.32 |
| C.3100     | 1452.14 | 0.3500 | 1309.93 | 0.3580 | 1211.54 | 0.5720 | 1075.97 |
| C.3700     | 1445.00 | 0.3900 | 1298.83 | 0.3880 | 1211.54 | 0.6720 | 1066.32 |
| C.4200     | 1437.83 | 0.4300 | 1298.83 | 0.4180 | 1211.54 | 0.7720 | 1066.32 |
| C.4700     | 1419.02 | 0.4700 | 1298.83 | 0.4580 | 1211.54 | 0.8720 | 1056.59 |
| C.5200     | 1416.10 | 0.5200 | 1298.83 | 0.5080 | 1199.53 | 0.9720 | 1036.83 |
| C.5700     | 1394.03 | 0.5700 | 1279.59 | 0.5580 | 1199.53 | 1.0720 | 1016.70 |
| C.6200     | 1371.60 | 0.6200 | 1266.60 | 0.6080 | 1199.53 | 1.1720 | 996.16  |
| C.6700     | 1364.05 | 0.6700 | 1250.17 | 0.6580 | 1194.35 | 1.2720 | 975.18  |
| C.7700     | 1325.61 | 0.7200 | 1250.17 | 0.7080 | 1185.67 | 1.3720 | 953.75  |
| C.8700     | 1286.04 | 0.7700 | 1228.48 | 0.8080 | 1168.10 | 1.4720 | 931.82  |
| C.9700     | 1253.47 | 0.8200 | 1228.48 | 0.9080 | 1150.26 | 1.5720 | 909.36  |
| 1.0700     | 1185.67 | 0.8700 | 1211.54 | 1.0080 | 1110.02 | 1.6720 | 886.34  |
| 1.1700     | 1150.26 | 0.9200 | 1194.35 | 1.1080 | 1079.81 | 1.7720 | 862.70  |
| 1.2700     | 1104.42 | 0.9700 | 1185.67 | 1.2080 | 1072.12 | 1.8720 | 838.39  |
| 1.3700     | 1056.59 | 1.0200 | 1176.92 | 1.3080 | 1030.84 | 1.9720 | 818.43  |
| 1.4700     | 1016.70 | 1.0700 | 1153.85 | 1.4080 | 1016.70 | 2.0720 | 787.53  |
| 1.5700     | 964.53  | 1.1200 | 1121.14 | 1.5080 | 985.73  | 2.1720 | 760.83  |
| 1.6700     | 920.66  | 1.1700 | 1113.74 | 1.6080 | 964.53  | 2.2720 | 747.12  |
| 1.7700     | 886.34  | 1.2200 | 1091.24 | 1.7080 | 942.85  | 2.3720 | 704.39  |
| 1.8700     | 813.36  | 1.2700 | 1075.97 | 1.8080 | 909.36  | 2.4720 | 704.39  |
| 1.9200     | 774.30  | 1.3200 | 1062.44 | 1.9080 | 862.70  | 2.5720 | 674.40  |
| 1.9700     | 760.83  | 1.3700 | 1036.83 | 2.0080 | 813.36  | 2.6720 | 649.42  |
| 2.0200     | 747.12  | 1.4200 | 1012.63 | 2.1080 | 787.53  | 2.8720 | 610.02  |
| 2.0700     | 727.49  | 1.4700 | 996.16  | 2.2080 | 760.83  | 3.0720 | 575.13  |
| 2.1200     | 686.55  | 1.5700 | 953.75  | 2.3080 | 738.77  | 3.2720 | 537.99  |
| 2.1700     | 674.40  | 1.6700 | 916.16  | 2.4080 | 710.24  | 3.4720 | 498.08  |
| 2.2700     | 626.74  | 1.7700 | 893.31  | 2.6080 | 643.02  | 3.6720 | 454.68  |
| 2.3700     | 556.87  | 1.8700 | 862.70  | 2.8080 | 575.13  | 3.8720 | 406.68  |
| 2.4700     | 537.99  | 1.9700 | 825.97  | 2.9080 | 556.87  | 4.0720 | 352.20  |
| 2.5700     | 476.87  | 2.0700 | 782.26  | 3.1080 | 506.31  | 4.2720 | 308.38  |
| 2.6700     | 421.65  | 2.1700 | 727.49  | 3.3080 | 454.68  | 4.4720 | 257.21  |

| X----- 21-74 |        | 25-74  |        | 29-74  |        | 35-74  |        |
|--------------|--------|--------|--------|--------|--------|--------|--------|
| Y            | U      | Y      | U      | Y      | U      | Y      | U      |
| 2.7700       | 363.75 | 2.2700 | 698.50 | 3.5080 | 380.41 | 4.6720 | 222.75 |
| 2.8700       | 321.51 | 2.3700 | 665.14 | 3.7080 | 321.51 | 4.8720 | 161.87 |
| 2.9700       | 289.04 | 2.4700 | 633.30 | 3.9080 | 272.81 | 5.0720 | 143.78 |
| 3.0700       | 203.34 | 2.5700 | 564.25 | 4.1080 | 203.54 | 5.2720 | 90.94  |
| 3.1700       | 143.78 | 2.6700 | 537.99 | 4.3080 | 181.87 | 5.4720 | 64.30  |
| 3.2700       | 64.30  | 2.7700 | 485.47 | 4.3780 | 128.60 | 5.6720 | 0.00   |
|              |        | 2.9700 | 445.50 |        |        |        |        |
|              |        | 3.1700 | 363.75 |        |        |        |        |
|              |        | 3.3700 | 301.60 |        |        |        |        |
|              |        | 3.5700 | 240.60 |        |        |        |        |
|              |        | 3.7700 | 181.87 |        |        |        |        |
|              |        | 3.9700 | 90.94  |        |        |        |        |

TABLE A- 3

ALPHA= 11.25

YC= 0.2921

REC= 9645.0

| X----- 41-74 |        |
|--------------|--------|
| Y            | U      |
| 0.0600       | 789.08 |
| 0.0680       | 787.53 |
| 0.0880       | 838.39 |
| 0.1080       | 862.70 |
| 0.1380       | 904.81 |
| 0.1680       | 909.36 |
| 0.1980       | 909.36 |
| 0.2380       | 913.90 |
| 0.2780       | 931.82 |
| 0.3480       | 964.53 |
| 0.3980       | 975.18 |
| 0.4980       | 975.18 |
| 0.5980       | 975.18 |
| 0.6980       | 975.18 |
| 0.7980       | 975.18 |
| 0.9980       | 953.75 |
| 1.0980       | 931.82 |
| 1.1980       | 920.66 |
| 1.2980       | 920.66 |
| 1.3980       | 909.36 |
| 1.4980       | 897.93 |
| 1.6980       | 862.70 |
| 1.8980       | 838.39 |

X---- 41.74

| Y      | U      |
|--------|--------|
| 2.0980 | 813.36 |
| 2.2980 | 787.53 |
| 2.4980 | 733.15 |
| 2.6980 | 674.40 |
| 2.8980 | 643.02 |
| 3.0980 | 610.02 |
| 3.2980 | 575.13 |
| 3.4980 | 537.99 |
| 3.6980 | 498.08 |
| 3.8980 | 454.68 |
| 4.0980 | 431.35 |
| 4.2980 | 406.68 |
| 4.4980 | 363.75 |
| 4.6980 | 334.12 |
| 4.8980 | 301.60 |
| 5.0980 | 265.12 |
| 5.2980 | 231.84 |
| 5.4980 | 181.87 |
| 5.6980 | 143.78 |
| 6.0980 | 90.94  |

TABLE A- 4

ALPHA= 11.25

YC= 0.6020

REC= 17330.0

| X----  | 0.00    | 1.80   | 3.80    | 5.80   |         |        |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Y      | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600 | 4224.85 | 0.0600 | 3822.51 | 0.0600 | 3598.77 | 0.0600 | 3366.34 |
| 0.0650 | 4216.55 | 0.0700 | 3858.11 | 0.0630 | 3597.45 | 0.0690 | 3402.53 |
| 0.0750 | 4216.55 | 0.0800 | 3937.66 | 0.0730 | 3660.12 | 0.0790 | 3444.80 |
| 0.0850 | 4250.73 | 0.0900 | 3937.66 | 0.0830 | 3732.83 | 0.0890 | 3504.30 |
| 0.0950 | 4274.98 | 0.1000 | 4005.33 | 0.0930 | 3787.80 | 0.0990 | 3521.95 |
| 0.1050 | 4274.98 | 0.1100 | 4076.95 | 0.1030 | 3842.00 | 0.1090 | 3568.60 |
| 0.1150 | 4299.09 | 0.1200 | 4092.14 | 0.1130 | 3895.43 | 0.1190 | 3591.70 |
| 0.1250 | 4299.09 | 0.1300 | 4132.36 | 0.1230 | 3927.15 | 0.1290 | 3631.77 |
| 0.1350 | 4299.09 | 0.1400 | 4167.23 | 0.1330 | 3963.83 | 0.1390 | 3648.81 |
| 0.1450 | 4313.49 | 0.1500 | 4191.96 | 0.1430 | 3995.00 | 0.1590 | 3693.85 |
| 0.1550 | 4313.49 | 0.1600 | 4216.55 | 0.1630 | 4041.30 | 0.1790 | 3693.85 |
| 0.1650 | 4313.49 | 0.1700 | 4216.55 | 0.1730 | 4066.80 | 0.1990 | 3705.03 |
| 0.1750 | 4313.49 | 0.1800 | 4236.11 | 0.1830 | 4071.88 | 0.2190 | 3705.03 |
| 0.1850 | 4313.49 | 0.1900 | 4250.73 | 0.1930 | 4076.95 | 0.2390 | 3693.85 |

| X----  | 0.00    |   | 1.80   |         | 3.80   |         | 5.80   |         |
|--------|---------|---|--------|---------|--------|---------|--------|---------|
|        | Y       | U | Y      | U       | Y      | U       | Y      | U       |
| C.2050 | 4313.49 |   | 0.2000 | 4250.73 | 0.2030 | 4071.88 | 0.2590 | 3677.03 |
| C.2250 | 4313.49 |   | 0.2100 | 4250.73 | 0.2130 | 4076.95 | 0.2790 | 3660.12 |
| C.2450 | 4313.49 |   | 0.2200 | 4265.30 | 0.2230 | 4082.02 | 0.3090 | 3626.07 |
| C.2650 | 4313.49 |   | 0.2300 | 4274.98 | 0.2330 | 4082.02 | 0.3390 | 3533.67 |
| C.2850 | 4313.49 |   | 0.2400 | 4265.30 | 0.2430 | 4076.95 | 0.3690 | 3456.78 |
| C.3050 | 4313.49 |   | 0.2500 | 4265.30 | 0.2530 | 4066.80 | 0.3990 | 3384.25 |
| C.3250 | 4299.09 |   | 0.2600 | 4279.81 | 0.2630 | 4061.71 | 0.4290 | 3285.06 |
| C.3550 | 4265.30 |   | 0.2700 | 4279.81 | 0.2730 | 4056.62 | 0.4590 | 3169.76 |
| C.3750 | 4265.30 |   | 0.2800 | 4279.81 | 0.2830 | 4031.06 | 0.4890 | 3077.09 |
| C.3950 | 4240.99 |   | 0.3000 | 4279.81 | 0.3030 | 3974.24 | 0.5190 | 3002.28 |
| C.4150 | 4191.96 |   | 0.3200 | 4279.81 | 0.3230 | 3948.15 | 0.5490 | 2897.15 |
| C.4350 | 4132.36 |   | 0.3500 | 4250.73 | 0.3430 | 3900.74 | 0.5790 | 2795.46 |
| C.4550 | 4056.62 |   | 0.3700 | 4216.55 | 0.3630 | 3815.00 | 0.6090 | 2697.61 |
| C.4750 | 3937.66 |   | 0.3900 | 4167.23 | 0.3830 | 3749.40 | 0.6390 | 2572.07 |
| C.4980 | 3776.87 |   | 0.4100 | 4117.32 | 0.4030 | 3693.85 | 0.6690 | 2465.37 |
|        |         |   | 0.4300 | 4015.64 | 0.4230 | 3626.07 | 0.6990 | 2336.20 |
|        |         |   | 0.4500 | 3900.74 | 0.4430 | 3521.95 | 0.7290 | 2245.96 |
|        |         |   | 0.4700 | 3765.91 | 0.4630 | 3414.66 | 0.7590 | 2132.65 |
|        |         |   | 0.4900 | 3637.46 | 0.4830 | 3341.22 | 0.7990 | 2033.40 |
|        |         |   | 0.5000 | 3580.17 | 0.5030 | 3234.32 | 0.8290 | 1929.05 |
|        |         |   | 0.5100 | 3510.19 | 0.5230 | 3150.13 | 0.8590 | 1809.61 |
|        |         |   | 0.5200 | 3432.77 | 0.5430 | 3029.70 | 0.8790 | 1749.20 |
|        |         |   | 0.5400 | 3247.08 | 0.5630 | 2932.61 | 0.8990 | 1674.32 |
|        |         |   | 0.5600 | 3016.02 | 0.5930 | 2802.85 | 0.9190 | 1611.40 |
|        |         |   | 0.5800 | 2861.25 | 0.6130 | 2682.24 | 0.9390 | 1535.18 |
|        |         |   | 0.6000 | 2666.78 | 0.6330 | 2572.07 | 0.9590 | 1445.00 |
|        |         |   | 0.6200 | 2490.40 | 0.6530 | 2465.37 | 0.9790 | 1399.95 |
|        |         |   | 0.6400 | 2273.41 | 0.6830 | 2291.53 | 0.9990 | 1328.73 |
|        |         |   | 0.6700 | 1971.45 | 0.7030 | 2190.04 | 1.0190 | 1276.35 |
|        |         |   | 0.6900 | 1781.98 | 0.7430 | 2022.19 | 1.0390 | 1194.35 |
|        |         |   | 0.7000 | 1689.07 | 0.7530 | 1939.74 | 1.0590 | 1126.66 |
|        |         |   | 0.7100 | 1607.54 | 0.7730 | 1830.06 | 1.0790 | 1075.97 |
|        |         |   | 0.7200 | 1525.73 | 0.7830 | 1778.50 | 1.0990 | 1012.63 |
|        |         |   | 0.7300 | 1423.38 | 0.7930 | 1725.40 | 1.1190 | 958.07  |
|        |         |   | 0.7400 | 1320.93 | 0.8130 | 1639.38 | 1.1390 | 886.34  |
|        |         |   | 0.7600 | 1121.14 | 0.8230 | 1598.52 | 1.1590 | 813.36  |
|        |         |   | 0.7700 | 1020.76 | 0.8430 | 1494.24 | 1.1790 | 760.83  |
|        |         |   | 0.7800 | 942.85  | 0.8530 | 1437.83 | 1.1990 | 704.39  |
|        |         |   | 0.7900 | 869.86  | 0.8730 | 1317.79 | 1.2190 | 646.22  |
|        |         |   | 0.8100 | 718.92  | 0.8930 | 1236.87 | 1.2390 | 596.31  |
|        |         |   | 0.8200 | 652.59  | 0.9130 | 1146.66 | 1.2590 | 518.42  |
|        |         |   | 0.8400 | 518.42  | 0.9330 | 1056.59 | 1.2790 | 476.87  |
|        |         |   | 0.8500 | 380.41  | 0.9530 | 953.75  | 1.2990 | 406.68  |
|        |         |   | 0.8600 | 287.57  | 0.9730 | 850.63  | 1.3190 | 358.02  |
|        |         |   | 0.8700 | 222.75  | 0.9930 | 774.30  | 1.3390 | 287.57  |
|        |         |   | 0.8800 | 0.00    | 1.0130 | 701.45  | 1.3590 | 181.87  |
|        |         |   |        |         | 1.0330 | 596.31  | 1.3790 | 111.37  |

| X---- | 0.00 |   | 1.80 |   | 3.80   |        | 5.80 |   |
|-------|------|---|------|---|--------|--------|------|---|
|       | Y    | U | Y    | U | Y      | U      | Y    | U |
|       |      |   |      |   | 1.0530 | 498.08 |      |   |
|       |      |   |      |   | 1.0730 | 421.65 |      |   |
|       |      |   |      |   | 1.0930 | 327.88 |      |   |
|       |      |   |      |   | 1.1130 | 203.34 |      |   |
|       |      |   |      |   | 1.1330 | 64.30  |      |   |

TABLE A- 4

ALPHA= 11.25

YC= 0.6020

REC= 17330.0

| X----  | 7.80    |   | 10.80  |         | 13.80  |         | 19.80  |         |
|--------|---------|---|--------|---------|--------|---------|--------|---------|
|        | Y       | U | Y      | U       | Y      | U       | Y      | U       |
| C.0600 | 3008.19 |   | 0.0600 | 2672.03 | 0.0600 | 2340.80 | 0.0600 | 1848.32 |
| C.0730 | 3043.31 |   | 0.0760 | 2712.89 | 0.0700 | 2362.60 | 0.0700 | 1852.52 |
| C.0830 | 3083.80 |   | 0.0860 | 2743.21 | 0.0800 | 2380.03 | 0.0800 | 1852.52 |
| C.1030 | 3150.13 |   | 0.0960 | 2788.06 | 0.0900 | 2405.95 | 0.0900 | 1852.52 |
| C.1130 | 3163.23 |   | 0.1060 | 2788.06 | 0.1000 | 2423.08 | 0.1000 | 1852.52 |
| C.1230 | 3202.20 |   | 0.1160 | 2817.56 | 0.1100 | 2448.54 | 0.1100 | 1852.52 |
| C.1330 | 3215.09 |   | 0.1260 | 2832.20 | 0.1200 | 2465.37 | 0.1200 | 1874.70 |
| C.1430 | 3221.51 |   | 0.1360 | 2846.76 | 0.1300 | 2473.74 | 0.1300 | 1918.31 |
| C.1530 | 3221.51 |   | 0.1460 | 2861.25 | 0.1400 | 2490.40 | 0.1400 | 1945.06 |
| C.1630 | 3253.44 |   | 0.1560 | 2875.66 | 0.1500 | 2506.94 | 0.1500 | 1955.66 |
| C.1730 | 3266.12 |   | 0.1660 | 2875.66 | 0.1600 | 2515.18 | C.1600 | 1971.45 |
| C.1930 | 3266.12 |   | 0.1760 | 2875.66 | 0.1700 | 2523.38 | 0.1700 | 1979.83 |
| C.2130 | 3247.08 |   | 0.1860 | 2875.66 | 0.1900 | 2531.56 | 0.1800 | 1990.24 |
| C.2330 | 3227.92 |   | 0.1960 | 2875.66 | 0.2100 | 2531.56 | 0.1900 | 1994.39 |
| C.2530 | 3215.09 |   | 0.2060 | 2875.66 | 0.2400 | 2531.56 | 0.2000 | 2018.09 |
| C.2730 | 3215.09 |   | 0.2260 | 2875.66 | 0.2700 | 2531.56 | 0.2100 | 2028.31 |
| C.3030 | 3202.20 |   | 0.2460 | 2875.66 | 0.3000 | 2515.18 | 0.2200 | 2028.31 |
| C.3330 | 3163.23 |   | 0.2660 | 2875.66 | 0.3200 | 2482.08 | 0.2300 | 2028.31 |
| C.3630 | 3097.18 |   | 0.2860 | 2875.66 | 0.3400 | 2448.54 | 0.2400 | 2043.54 |
| C.3930 | 3077.09 |   | 0.3060 | 2861.25 | 0.3600 | 2405.95 | 0.2510 | 2038.48 |
| C.4230 | 3002.28 |   | 0.3260 | 2839.49 | 0.3800 | 2388.70 | 0.2600 | 2053.63 |
| C.4530 | 2960.68 |   | 0.3360 | 2824.89 | 0.4000 | 2388.70 | 0.2700 | 2053.63 |
| C.4830 | 2890.00 |   | 0.3560 | 2802.85 | 0.4200 | 2362.60 | 0.2800 | 2053.63 |
| C.5130 | 2861.25 |   | 0.3760 | 2788.06 | 0.4400 | 2345.03 | 0.2900 | 2058.66 |
| C.5430 | 2758.24 |   | 0.3960 | 2788.06 | 0.4600 | 2336.20 | 0.3000 | 2058.66 |
| C.5730 | 2712.89 |   | 0.4160 | 2750.73 | 0.4800 | 2300.53 | 0.3100 | 2058.66 |
| C.6030 | 2651.23 |   | 0.4360 | 2728.09 | 0.5000 | 2291.53 | 0.3200 | 2063.68 |
| C.6330 | 2588.10 |   | 0.4560 | 2705.26 | 0.5200 | 2255.15 | 0.3300 | 2063.68 |
| C.6630 | 2506.94 |   | 0.4760 | 2666.78 | 0.5400 | 2255.15 | 0.3400 | 2063.68 |
| C.6930 | 2423.08 |   | 0.4960 | 2651.23 | 0.5900 | 2208.84 | 0.3500 | 2068.68 |



| X--- | 7.80 |   | 10.80 |   | 13.80 |   | 19.80  |        |
|------|------|---|-------|---|-------|---|--------|--------|
| Y    | U    | Y | U     | Y | U     | Y | U      |        |
|      |      |   |       |   |       |   | 3.2100 | 352.20 |
|      |      |   |       |   |       |   | 3.3100 | 287.57 |
|      |      |   |       |   |       |   | 3.4100 | 203.34 |
|      |      |   |       |   |       |   | 3.5100 | 143.78 |
|      |      |   |       |   |       |   | 3.6100 | 0.00   |

TABLE A- 4

ALPHA= 11.25

YC= 0.6020

REC= 17330.0

| X---   | 25.80   |        | 29.80   |        | 35.80   |        | 41.80   |  |
|--------|---------|--------|---------|--------|---------|--------|---------|--|
| Y      | U       | Y      | U       | Y      | U       | Y      | U       |  |
| C.0600 | 1538.21 | 0.0600 | 1383.34 | 0.0600 | 1170.40 | 0.0600 | 1062.58 |  |
| C.0770 | 1588.14 | 0.0750 | 1380.62 | 0.0750 | 1182.17 | 0.0700 | 1075.97 |  |
| C.0870 | 1619.08 | 0.0850 | 1407.31 | 0.0950 | 1220.04 | 0.0800 | 1104.42 |  |
| C.0970 | 1635.59 | 0.0950 | 1426.28 | 0.1150 | 1253.47 | 0.0900 | 1117.45 |  |
| C.1070 | 1658.19 | 0.1050 | 1452.14 | 0.1450 | 1302.01 | 0.1000 | 1132.15 |  |
| C.1270 | 1676.78 | 0.1150 | 1470.53 | 0.1750 | 1336.49 | 0.1100 | 1150.26 |  |
| C.1370 | 1682.94 | 0.1350 | 1506.64 | 0.2150 | 1356.45 | 0.1200 | 1159.22 |  |
| C.1570 | 1707.33 | 0.1550 | 1508.01 | 0.2450 | 1379.12 | 0.1300 | 1168.10 |  |
| C.1770 | 1725.40 | 0.1850 | 1548.59 | 0.2850 | 1391.06 | 0.1400 | 1182.17 |  |
| C.1970 | 1742.09 | 0.2150 | 1568.49 | 0.3250 | 1401.42 | 0.1500 | 1194.35 |  |
| C.2270 | 1760.98 | 0.2450 | 1581.61 | 0.3550 | 1408.78 | 0.1600 | 1194.35 |  |
| C.2570 | 1765.67 | 0.2750 | 1593.33 | 0.4150 | 1420.47 | 0.1700 | 1202.98 |  |
| C.2870 | 1770.34 | 0.3150 | 1594.63 | 0.4650 | 1411.71 | 0.1800 | 1202.98 |  |
| C.3170 | 1760.98 | 0.3550 | 1598.52 | 0.5150 | 1411.71 | 0.1900 | 1233.52 |  |
| C.3470 | 1760.98 | 0.3950 | 1603.68 | 0.5650 | 1411.71 | 0.2000 | 1233.52 |  |
| C.3970 | 1760.98 | 0.4450 | 1607.54 | 0.6150 | 1408.78 | 0.2100 | 1233.52 |  |
| C.4470 | 1760.98 | 0.4950 | 1601.10 | 0.6650 | 1405.84 | 0.2200 | 1233.52 |  |
| C.4670 | 1749.20 | 0.5450 | 1597.22 | 0.7150 | 1394.03 | 0.2300 | 1236.87 |  |
| C.5170 | 1743.28 | 0.5950 | 1597.22 | 0.7650 | 1379.12 | 0.2400 | 1253.47 |  |
| C.5670 | 1743.28 | 0.6450 | 1594.63 | 0.8150 | 1370.10 | 0.2500 | 1245.20 |  |
| C.6170 | 1725.40 | 0.6950 | 1557.91 | 0.8650 | 1364.05 | 0.2600 | 1245.20 |  |
| C.6670 | 1710.96 | 0.7950 | 1528.44 | 0.9150 | 1362.53 | 0.2700 | 1253.47 |  |
| C.7170 | 1689.07 | 0.8950 | 1510.75 | 0.9650 | 1348.81 | 0.2800 | 1261.69 |  |
| C.7670 | 1676.78 | 0.9950 | 1499.76 | 1.0150 | 1347.27 | 0.3000 | 1266.60 |  |
| C.8170 | 1658.19 | 1.0950 | 1453.56 | 1.1150 | 1339.58 | 0.3200 | 1261.69 |  |
| C.8670 | 1649.44 | 1.1950 | 1411.71 | 1.2150 | 1289.25 | 0.3400 | 1269.86 |  |
| C.9170 | 1620.35 | 1.2950 | 1377.62 | 1.3150 | 1282.82 | 0.3600 | 1277.97 |  |
| C.9670 | 1601.10 | 1.3950 | 1345.74 | 1.4150 | 1245.20 | 0.3800 | 1282.82 |  |
| 1.0170 | 1573.75 | 1.4950 | 1302.01 | 1.5150 | 1208.12 | 0.4100 | 1289.25 |  |
| 1.0670 | 1555.25 | 1.5950 | 1286.04 | 1.6150 | 1192.62 | 0.4400 | 1289.25 |  |



| X---- | 25.80  |         | 29.80  |         | 35.80  |         | 41.80  |         |
|-------|--------|---------|--------|---------|--------|---------|--------|---------|
|       | Y      | U       | Y      | U       | Y      | U       | Y      | U       |
|       | 1.1170 | 1532.49 | 1.6950 | 1250.17 | 1.7150 | 1176.92 | 0.4700 | 1302.01 |
|       | 1.1670 | 1510.75 | 1.7950 | 1194.35 | 1.8150 | 1117.45 | 0.5100 | 1298.83 |
|       | 1.2170 | 1478.94 | 1.8950 | 1171.63 | 1.9150 | 1111.88 | 0.5500 | 1277.97 |
|       | 1.2670 | 1463.48 | 1.9950 | 1111.88 | 2.0150 | 1074.05 | 0.5900 | 1286.04 |
|       | 1.3170 | 1433.51 | 2.0950 | 1056.59 | 2.1150 | 1064.38 | 0.6300 | 1277.97 |
|       | 1.3670 | 1408.78 | 2.1950 | 1036.83 | 2.3150 | 985.73  | 0.6700 | 1286.04 |
|       | 1.4170 | 1394.03 | 2.2950 | 996.16  | 2.5150 | 931.82  | 0.7100 | 1286.04 |
|       | 1.4670 | 1359.49 | 2.3950 | 953.75  | 2.7150 | 865.09  | 0.7600 | 1269.86 |
|       | 1.5170 | 1327.17 | 2.4950 | 918.41  | 2.9150 | 808.26  | 0.8100 | 1261.69 |
|       | 1.5670 | 1309.93 | 2.5950 | 857.89  | 3.1150 | 774.30  | 0.8600 | 1261.69 |
|       | 1.6670 | 1253.47 | 2.6950 | 825.97  | 3.2150 | 704.39  | 0.9100 | 1261.69 |
|       | 1.7670 | 1220.04 | 2.7950 | 779.62  | 3.4150 | 655.75  | 0.9600 | 1253.47 |
|       | 1.8670 | 1164.55 | 2.8950 | 710.24  | 3.5150 | 643.02  | 1.0100 | 1245.20 |
|       | 1.9670 | 1095.02 | 2.9950 | 695.53  | 3.6150 | 610.02  | 1.1100 | 1223.42 |
|       | 2.0670 | 1046.76 | 3.0950 | 658.90  | 3.7150 | 592.83  | 1.2100 | 1202.98 |
|       | 2.1670 | 1006.48 | 3.1950 | 626.74  | 3.8150 | 541.82  | 1.3100 | 1176.92 |
|       | 2.2670 | 962.38  | 3.2950 | 571.53  | 3.9150 | 489.71  | 1.4100 | 1159.22 |
|       | 2.3670 | 920.66  | 3.3950 | 534.13  | 4.0150 | 476.87  | 1.5100 | 1159.22 |
|       | 2.4670 | 862.70  | 3.4950 | 498.08  | 4.1150 | 431.35  | 1.6100 | 1122.98 |
|       | 2.5670 | 813.36  | 3.5950 | 472.52  | 4.2150 | 411.73  | 1.7100 | 1104.42 |
|       | 2.6670 | 755.37  | 3.6950 | 431.35  | 4.3150 | 401.56  | 1.8100 | 1075.97 |
|       | 2.7670 | 718.92  | 3.8950 | 352.20  | 4.5150 | 346.28  | 1.9100 | 1056.59 |
|       | 2.8670 | 677.46  | 4.0950 | 287.57  | 4.7150 | 301.60  | 2.0100 | 1036.83 |
|       | 2.9670 | 626.74  | 4.2950 | 203.34  | 4.9150 | 265.12  | 2.1100 | 1016.70 |
|       | 3.0670 | 571.53  | 4.4950 | 0.00    | 5.1150 | 170.13  | 2.2100 | 996.16  |
|       | 3.1670 | 506.31  |        |         | 5.3150 | 128.60  | 2.3100 | 975.18  |
|       | 3.2670 | 450.11  |        |         | 5.5150 | 90.94   | 2.4100 | 953.75  |
|       | 3.3670 | 431.35  |        |         |        |         | 2.5100 | 936.25  |
|       | 3.4670 | 374.94  |        |         |        |         | 2.6100 | 897.93  |
|       | 3.5670 | 308.38  |        |         |        |         | 2.7100 | 874.60  |
|       | 3.6670 | 287.57  |        |         |        |         | 2.8100 | 850.63  |
|       | 3.7670 | 272.81  |        |         |        |         | 2.9100 | 825.97  |
|       | 3.8670 | 203.34  |        |         |        |         | 3.0100 | 800.55  |
|       | 3.9670 | 170.13  |        |         |        |         | 3.1100 | 774.30  |
|       | 4.0670 | 90.94   |        |         |        |         | 3.2100 | 760.83  |
|       | 4.1670 | 64.30   |        |         |        |         | 3.3100 | 733.15  |
|       | 4.2670 | 0.00    |        |         |        |         | 3.4100 | 704.39  |
|       |        |         |        |         |        |         | 3.5100 | 674.40  |
|       |        |         |        |         |        |         | 3.6100 | 643.02  |
|       |        |         |        |         |        |         | 3.7100 | 616.76  |
|       |        |         |        |         |        |         | 3.8100 | 603.20  |
|       |        |         |        |         |        |         | 3.9100 | 582.28  |
|       |        |         |        |         |        |         | 4.0100 | 575.13  |
|       |        |         |        |         |        |         | 4.1100 | 567.90  |
|       |        |         |        |         |        |         | 4.3100 | 498.08  |
|       |        |         |        |         |        |         | 4.5100 | 454.68  |
|       |        |         |        |         |        |         | 4.7100 | 406.68  |



A-21

| X---- | 25.80 |   | 29.80 |   | 35.80 |        | 41.80  |  |
|-------|-------|---|-------|---|-------|--------|--------|--|
| Y     | U     | Y | U     | Y | U     | Y      | U      |  |
|       |       |   |       |   |       | 4.9100 | 363.75 |  |
|       |       |   |       |   |       | 5.1100 | 352.20 |  |
|       |       |   |       |   |       | 5.4100 | 272.81 |  |
|       |       |   |       |   |       | 5.7100 | 222.75 |  |
|       |       |   |       |   |       | 6.0100 | 170.13 |  |
|       |       |   |       |   |       | 6.2100 | 143.78 |  |
|       |       |   |       |   |       | 6.4100 | 90.94  |  |
|       |       |   |       |   |       | 6.6100 | 0.00   |  |

TABLE A- 5

ALPHA= 11.25

YC= 1.2624

REC= 27840.0

| X----  | 0.00    |        | 3.80    |        | 5.80    |        | 10.80   |  |
|--------|---------|--------|---------|--------|---------|--------|---------|--|
| Y      | U       | Y      | U       | Y      | U       | Y      | U       |  |
| 0.0600 | 3089.87 | 0.0600 | 2648.62 | 0.0600 | 2478.61 | 0.0600 | 2136.85 |  |
| 0.0730 | 3097.18 | 0.0880 | 2712.89 | 0.0700 | 2506.94 | 0.0680 | 2199.46 |  |
| 0.0830 | 3150.13 | 0.1180 | 2846.76 | 0.0900 | 2580.10 | 0.1080 | 2227.48 |  |
| 0.1730 | 3189.26 | 0.1580 | 2875.66 | 0.1200 | 2651.23 | 0.1380 | 2291.53 |  |
| 0.2030 | 3189.26 | 0.2080 | 2904.28 | 0.1500 | 2712.89 | 0.1680 | 2318.43 |  |
| 0.2130 | 3215.09 | 0.2380 | 2904.28 | 0.1800 | 2728.09 | 0.1980 | 2318.43 |  |
| 0.2330 | 3291.35 | 0.2880 | 2904.28 | 0.2100 | 2728.09 | 0.2280 | 2336.20 |  |
| 0.2530 | 3291.35 | 0.3380 | 2890.00 | 0.2300 | 2743.21 | 0.2780 | 2345.03 |  |
| 0.2730 | 3303.88 | 0.3880 | 2861.25 | 0.2600 | 2773.19 | 0.3180 | 2336.20 |  |
| 0.2930 | 3303.88 | 0.4380 | 2817.56 | 0.3000 | 2743.21 | 0.3680 | 2318.43 |  |
| 0.3230 | 3303.88 | 0.4880 | 2795.46 | 0.3300 | 2743.21 | 0.4180 | 2318.43 |  |
| 0.3430 | 3291.35 | 0.5380 | 2750.73 | 0.3600 | 2735.66 | 0.4880 | 2300.53 |  |
| 0.3730 | 3259.79 | 0.6380 | 2682.24 | 0.3900 | 2728.09 | 0.5380 | 2273.41 |  |
| 0.4030 | 3215.09 | 0.7380 | 2588.10 | 0.4400 | 2689.94 | 0.5880 | 2227.48 |  |
| 0.4330 | 3195.74 | 0.8380 | 2465.37 | 0.4800 | 2643.42 | 0.6380 | 2180.58 |  |
| 0.4630 | 3150.13 | 0.9380 | 2318.43 | 0.5200 | 2627.73 | 0.6880 | 2151.95 |  |
| 0.5030 | 3070.37 | 1.0380 | 2142.32 | 0.5700 | 2572.07 | 0.7280 | 2122.93 |  |
| 0.5230 | 3029.70 | 1.1380 | 2006.79 | 0.6500 | 2506.94 | 0.8280 | 2083.62 |  |
| 0.5530 | 3002.28 | 1.2380 | 1770.34 | 0.7100 | 2423.08 | 0.9280 | 1999.57 |  |
| 0.5830 | 2967.65 | 1.2880 | 1664.41 | 0.7700 | 2397.34 | 0.9880 | 1945.06 |  |
| 0.6130 | 2932.61 | 1.3380 | 1557.91 | 0.8400 | 2318.43 | 1.0180 | 1918.31 |  |
| 0.6530 | 2875.66 | 1.3880 | 1437.83 | 0.9400 | 2180.58 | 1.0580 | 1869.18 |  |
| 0.6930 | 2817.56 | 1.4380 | 1317.79 | 1.0900 | 2002.67 | 1.1080 | 1818.73 |  |
| 0.7430 | 2795.46 | 1.4880 | 1202.98 | 1.1400 | 1923.69 | 1.1580 | 1790.09 |  |
| 0.7930 | 2728.09 | 1.5380 | 1072.12 | 1.1900 | 1841.32 | 1.1980 | 1742.09 |  |
| 0.8430 | 2697.61 | 1.5880 | 947.22  | 1.2400 | 1760.98 | 1.2380 | 1701.26 |  |
| 0.8930 | 2651.23 | 1.6180 | 886.34  | 1.2900 | 1682.94 | 1.2880 | 1639.38 |  |

| X--- 0.00 |         | 3.80   |        | 5.80   |         | 10.80  |         |
|-----------|---------|--------|--------|--------|---------|--------|---------|
| Y         | U       | Y      | U      | Y      | U       | Y      | U       |
| 0.9430    | 2627.73 | 1.6480 | 813.36 | 1.3400 | 1607.54 | 1.3380 | 1594.63 |
| 0.9930    | 2604.02 | 1.6780 | 738.77 | 1.3900 | 1514.85 | 1.3880 | 1557.91 |
| 1.0430    | 2572.07 | 1.7180 | 649.42 | 1.4400 | 1430.62 | 1.4380 | 1508.01 |
| 1.1430    | 2515.18 | 1.7580 | 537.99 | 1.4900 | 1364.05 | 1.4880 | 1440.70 |
| 1.2430    | 2456.97 | 1.7880 | 489.71 | 1.5400 | 1286.04 | 1.5680 | 1367.07 |
|           |         | 1.8180 | 406.68 | 1.5800 | 1216.65 | 1.6180 | 1336.49 |
|           |         | 1.8480 | 352.20 | 1.6200 | 1141.24 | 1.6580 | 1289.25 |
|           |         | 1.8780 | 272.81 | 1.6700 | 1050.70 | 1.6980 | 1245.20 |
|           |         | 1.9180 | 0.00   | 1.7200 | 970.94  | 1.7380 | 1211.54 |
|           |         |        |        | 1.7700 | 904.81  | 1.7880 | 1166.33 |
|           |         |        |        | 1.8100 | 838.39  | 1.8380 | 1117.45 |
|           |         |        |        | 1.8600 | 766.24  | 1.8880 | 1066.32 |
|           |         |        |        | 1.9100 | 680.51  | 1.9380 | 1016.70 |
|           |         |        |        | 1.9500 | 610.02  | 1.9880 | 973.06  |
|           |         |        |        | 1.9800 | 567.90  | 2.0380 | 925.14  |
|           |         |        |        | 2.0200 | 472.52  | 2.0880 | 879.31  |
|           |         |        |        | 2.0600 | 416.72  | 2.1380 | 833.45  |
|           |         |        |        | 2.1200 | 301.60  | 2.1880 | 787.53  |
|           |         |        |        | 2.1800 | 222.75  | 2.2380 | 733.15  |
|           |         |        |        | 2.2400 | 128.60  | 2.2880 | 695.53  |
|           |         |        |        | 2.2800 | 0.00    | 2.3380 | 668.24  |
|           |         |        |        |        |         | 2.3880 | 610.02  |
|           |         |        |        |        |         | 2.4380 | 567.90  |
|           |         |        |        |        |         | 2.4880 | 518.42  |
|           |         |        |        |        |         | 2.5380 | 481.19  |
|           |         |        |        |        |         | 2.6380 | 352.20  |
|           |         |        |        |        |         | 2.7380 | 287.57  |
|           |         |        |        |        |         | 2.8380 | 157.51  |
|           |         |        |        |        |         | 2.9380 | 0.00    |

TABLE A- 5

ALPHA= 11.25

YC= 1.2624

REC= 27840.0

| X--- 13.80 |         | 17.80  |         | 21.80  |         | 25.80  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600     | 1932.85 | 0.0600 | 1680.09 | 0.0600 | 1508.23 | 0.0600 | 1366.73 |
| 0.0690     | 1939.74 | 0.0770 | 1725.40 | 0.0680 | 1531.14 | 0.0700 | 1401.42 |
| 0.0790     | 1971.45 | 0.0970 | 1781.98 | 0.0880 | 1573.75 | 0.0800 | 1423.38 |
| 0.0990     | 2015.02 | 0.1070 | 1793.55 | 0.1080 | 1611.40 | 0.0900 | 1452.14 |
| 0.1190     | 2043.54 | 0.1170 | 1807.33 | 0.1280 | 1636.86 | 0.1000 | 1480.34 |
| 0.1390     | 2073.67 | 0.1370 | 1839.08 | 0.1480 | 1651.94 | 0.1100 | 1494.24 |

| X---- 13.80 |         | 17.80  |         | 21.80  |         | 25.80  |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.1690      | 2113.17 | 0.1470 | 1849.16 | 0.1680 | 1666.89 | 0.1200 | 1501.14 |
| 0.1990      | 2122.93 | 0.1770 | 1874.70 | 0.1880 | 1687.84 | 0.1300 | 1508.01 |
| 0.2290      | 2122.93 | 0.2070 | 1894.45 | 0.2180 | 1701.26 | 0.1400 | 1508.01 |
| 0.2590      | 2122.93 | 0.2270 | 1896.63 | 0.2480 | 1707.33 | 0.1500 | 1521.66 |
| 0.2990      | 2122.93 | 0.2570 | 1907.50 | 0.2880 | 1727.79 | 0.1600 | 1535.18 |
| 0.3390      | 2122.93 | 0.2970 | 1918.31 | 0.3180 | 1739.72 | 0.1700 | 1548.59 |
| 0.3890      | 2122.93 | 0.3270 | 1918.31 | 0.3580 | 1739.72 | 0.1800 | 1555.25 |
| 0.4890      | 2103.37 | 0.3770 | 1918.31 | 0.3880 | 1743.28 | 0.1900 | 1559.23 |
| 0.5890      | 2063.68 | 0.4170 | 1918.31 | 0.4180 | 1743.28 | 0.2000 | 1561.88 |
| 0.6890      | 1997.50 | 0.4570 | 1907.50 | 0.4480 | 1749.20 | 0.2100 | 1568.49 |
| 0.7390      | 1981.91 | 0.4970 | 1885.70 | 0.4780 | 1749.20 | 0.2200 | 1581.61 |
| 0.7890      | 1950.37 | 0.5470 | 1874.70 | 0.5080 | 1743.28 | 0.2300 | 1581.61 |
| 0.8390      | 1918.31 | 0.6170 | 1872.50 | 0.5380 | 1731.38 | 0.2400 | 1581.61 |
| 0.8890      | 1874.70 | 0.6670 | 1846.93 | 0.5690 | 1725.40 | 0.2500 | 1581.61 |
| 0.9390      | 1841.32 | 0.7670 | 1807.33 | 0.5980 | 1710.96 | 0.2600 | 1581.61 |
| 0.9890      | 1818.73 | 0.8670 | 1755.10 | 0.6280 | 1701.26 | 0.2700 | 1588.14 |
| 1.0390      | 1784.30 | 0.9670 | 1713.37 | 0.6580 | 1686.62 | 0.2800 | 1590.74 |
| 1.0890      | 1737.34 | 1.0670 | 1664.41 | 0.6880 | 1682.94 | 0.2900 | 1594.63 |
| 1.1390      | 1713.37 | 1.1670 | 1612.68 | 0.7180 | 1679.25 | 0.3000 | 1594.63 |
| 1.1890      | 1680.48 | 1.2670 | 1548.59 | 0.7480 | 1676.78 | 0.3100 | 1598.52 |
| 1.2390      | 1639.38 | 1.3670 | 1494.24 | 0.7780 | 1664.41 | 0.3300 | 1601.10 |
| 1.2890      | 1598.52 | 1.4670 | 1437.83 | 0.8080 | 1658.19 | 0.3500 | 1611.40 |
| 1.3390      | 1557.91 | 1.5670 | 1379.12 | 0.8380 | 1645.67 | 0.3700 | 1611.40 |
| 1.3890      | 1528.44 | 1.6670 | 1325.61 | 0.8680 | 1626.72 | 0.4000 | 1613.96 |
| 1.4390      | 1485.91 | 1.7670 | 1261.69 | 0.8980 | 1613.96 | 0.4300 | 1613.96 |
| 1.4890      | 1452.14 | 1.8670 | 1194.35 | 0.9280 | 1601.10 | 0.4700 | 1613.96 |
| 1.5390      | 1408.78 | 1.9670 | 1139.43 | 0.9580 | 1594.63 | 0.5200 | 1611.40 |
| 1.5890      | 1371.60 | 2.0670 | 1075.97 | 0.9880 | 1588.14 | 0.5700 | 1598.52 |
| 1.6390      | 1333.39 | 2.1670 | 1032.84 | 1.0180 | 1585.53 | 0.6200 | 1588.14 |
| 1.6890      | 1286.04 | 2.2670 | 975.18  | 1.0480 | 1561.88 | 0.6700 | 1581.61 |
| 1.7390      | 1251.82 | 2.3670 | 909.36  | 1.0780 | 1548.59 | 0.7200 | 1568.49 |
| 1.7890      | 1206.41 | 2.4670 | 850.63  | 1.1080 | 1535.18 | 0.7700 | 1559.23 |
| 1.8390      | 1185.67 | 2.5670 | 787.53  | 1.1380 | 1521.66 | 0.8200 | 1535.18 |
| 1.8890      | 1150.26 | 2.6670 | 727.49  | 1.1680 | 1508.01 | 0.8700 | 1524.37 |
| 1.9390      | 1106.29 | 2.7670 | 658.90  | 1.1980 | 1494.24 | 0.9200 | 1514.85 |
| 1.9890      | 1062.44 | 2.8670 | 610.02  | 1.2280 | 1480.34 | 0.9700 | 1494.24 |
| 2.0390      | 1030.84 | 2.9670 | 578.72  | 1.2580 | 1487.30 | 1.0200 | 1480.34 |
| 2.0890      | 989.91  | 3.0670 | 498.08  | 1.2880 | 1473.34 | 1.0700 | 1459.24 |
| 2.1390      | 942.85  | 3.1670 | 454.68  | 1.3180 | 1463.48 | 1.1200 | 1452.14 |
| 2.1890      | 911.63  | 3.2670 | 380.41  | 1.3480 | 1454.98 | 1.1700 | 1437.83 |
| 2.2390      | 895.62  | 3.4670 | 249.04  | 1.3780 | 1445.00 | 1.2200 | 1423.38 |
| 2.2890      | 850.63  | 3.5670 | 203.34  | 1.4080 | 1423.38 | 1.2700 | 1408.78 |
| 2.3390      | 805.70  | 3.6670 | 111.37  | 1.4380 | 1416.10 | 1.3200 | 1394.03 |
| 2.3890      | 774.30  |        |         | 1.4680 | 1401.42 | 1.3700 | 1379.12 |
| 2.4390      | 733.15  |        |         | 1.4980 | 1391.06 | 1.4200 | 1364.05 |
| 2.4890      | 695.53  |        |         | 1.5280 | 1377.62 | 1.4700 | 1333.39 |
| 2.5390      | 643.02  |        |         | 1.5580 | 1364.05 | 1.5200 | 1317.79 |

X--- 13.80

| Y      | U      |
|--------|--------|
| 2.6390 | 592.83 |
| 2.7390 | 498.08 |
| 2.8390 | 431.35 |
| 2.9390 | 352.20 |
| 3.0390 | 287.57 |
| 3.1390 | 231.84 |
| 3.2390 | 111.37 |
| 3.3390 | 0.00   |

Y 17.80 U

21.80

| Y      | U       |
|--------|---------|
| 1.5880 | 1348.81 |
| 1.6180 | 1336.49 |
| 1.6480 | 1325.61 |
| 1.6780 | 1317.79 |
| 1.7080 | 1302.01 |
| 1.7380 | 1286.04 |
| 1.7680 | 1269.86 |
| 1.7980 | 1253.47 |
| 1.8280 | 1236.87 |
| 1.8580 | 1220.04 |
| 1.8880 | 1202.98 |
| 1.9180 | 1185.67 |
| 1.9480 | 1171.63 |
| 2.0280 | 1159.22 |
| 2.1080 | 1141.24 |
| 2.1380 | 1128.49 |
| 2.1680 | 1113.74 |
| 2.1980 | 1095.02 |
| 2.2280 | 1079.81 |
| 2.2580 | 1066.32 |
| 2.3180 | 1036.83 |
| 2.3580 | 1036.83 |
| 2.4580 | 981.52  |
| 2.5580 | 920.66  |
| 2.6580 | 874.60  |
| 2.7580 | 813.36  |
| 2.8580 | 787.53  |
| 3.0580 | 680.51  |
| 3.2580 | 603.20  |
| 3.4580 | 518.42  |
| 3.6580 | 406.68  |
| 3.8580 | 321.51  |
| 4.0580 | 203.34  |
| 4.2580 | 170.13  |
| 4.4780 | 0.00    |

25.80

| Y      | U       |
|--------|---------|
| 1.5800 | 1294.05 |
| 1.6200 | 1277.97 |
| 1.6700 | 1253.47 |
| 1.7200 | 1236.87 |
| 1.7700 | 1211.54 |
| 1.8700 | 1176.92 |
| 1.9700 | 1150.26 |
| 2.0700 | 1113.74 |
| 2.1700 | 1075.97 |
| 2.2700 | 1036.83 |
| 2.3700 | 996.16  |
| 2.4700 | 960.23  |
| 2.5700 | 927.37  |
| 2.6700 | 1091.24 |
| 2.7900 | 825.97  |
| 2.8700 | 787.53  |
| 2.9700 | 747.12  |
| 3.1700 | 674.40  |
| 3.2700 | 643.02  |
| 3.3700 | 626.74  |
| 3.4700 | 575.13  |
| 3.5700 | 537.99  |
| 3.6700 | 498.08  |
| 3.7700 | 454.68  |
| 3.8700 | 406.68  |
| 3.9700 | 363.75  |
| 4.0700 | 321.51  |
| 4.1700 | 287.57  |
| 4.2700 | 249.04  |
| 4.3700 | 203.34  |
| 4.4700 | 203.34  |
| 4.5700 | 181.87  |
| 4.7700 | 90.94   |
| 5.0700 | 0.00    |

TABLE A- 5

ALPHA= 11.25

YC= 1.2624

REC= 27840.0

| X--- 29.80 |         | 35.80  |         | 45.80  |         | 55.80  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600     | 1255.94 | 0.0600 | 1134.38 | 0.0600 | 933.66  | 0.0600 | 773.14  |
| C.0700     | 1277.97 | 0.0700 | 1132.15 | 0.0810 | 983.63  | 0.0790 | 787.53  |
| C.0800     | 1309.93 | 0.0800 | 1150.26 | 0.1110 | 1016.70 | 0.0990 | 813.36  |
| C.0900     | 1317.79 | 0.0900 | 1185.67 | 0.1410 | 1042.80 | 0.1290 | 874.60  |
| C.1000     | 1348.81 | 0.1000 | 1202.98 | 0.1810 | 1064.38 | 0.1590 | 890.99  |
| C.1100     | 1364.05 | 0.1100 | 1220.04 | 0.2110 | 1075.97 | 0.1990 | 909.36  |
| C.1200     | 1379.12 | 0.1200 | 1228.48 | 0.2510 | 1113.74 | 0.2490 | 942.85  |
| C.1300     | 1379.12 | 0.1300 | 1236.87 | 0.2910 | 1113.74 | 0.2990 | 953.75  |
| C.1400     | 1386.59 | 0.1400 | 1253.47 | 0.3310 | 1128.49 | 0.3490 | 962.38  |
| C.1500     | 1394.03 | 0.1500 | 1253.47 | 0.3810 | 1132.15 | 0.4090 | 992.00  |
| C.1600     | 1401.42 | 0.1600 | 1261.69 | 0.4310 | 1135.80 | 0.4490 | 989.91  |
| C.1700     | 1405.84 | 0.1700 | 1261.69 | 0.4910 | 1135.80 | 0.5090 | 989.91  |
| C.1800     | 1416.10 | 0.1800 | 1273.11 | 0.5410 | 1146.66 | 0.5290 | 989.91  |
| C.1900     | 1408.78 | 0.1900 | 1277.97 | 0.6010 | 1150.26 | 0.6290 | 989.91  |
| C.2000     | 1437.83 | 0.2000 | 1286.04 | 0.6510 | 1150.26 | 0.7290 | 989.91  |
| C.2100     | 1445.00 | 0.2110 | 1286.04 | 0.7010 | 1146.66 | 0.9290 | 1000.30 |
| C.2200     | 1447.86 | 0.2200 | 1286.04 | 0.7510 | 1146.66 | 1.1290 | 996.16  |
| C.2300     | 1452.14 | 0.2300 | 1294.05 | 0.8510 | 1146.66 | 1.3290 | 996.16  |
| C.2400     | 1452.14 | 0.2400 | 1302.01 | 0.9510 | 1122.98 | 1.6290 | 949.40  |
| C.2500     | 1452.14 | 0.2500 | 1302.01 | 1.0510 | 1113.74 | 1.9290 | 916.16  |
| C.2600     | 1456.40 | 0.2600 | 1302.01 | 1.1510 | 1108.16 | 2.2290 | 886.34  |
| C.2700     | 1456.40 | 0.2700 | 1309.93 | 1.2510 | 1102.55 | 2.6290 | 833.45  |
| C.2800     | 1459.24 | 0.2800 | 1309.93 | 1.3510 | 1089.34 | 3.0290 | 768.94  |
| C.2900     | 1463.48 | 0.2900 | 1309.93 | 1.4510 | 1083.63 | 3.4290 | 716.03  |
| C.3000     | 1466.31 | 0.3000 | 1309.93 | 1.5510 | 1056.59 | 3.8290 | 652.59  |
| C.3100     | 1469.12 | 0.3100 | 1309.93 | 1.6510 | 1036.83 | 4.2290 | 620.10  |
| C.3200     | 1473.34 | 0.3200 | 1309.93 | 1.7510 | 1022.78 | 4.6290 | 556.87  |
| C.3300     | 1476.14 | 0.3300 | 1309.93 | 1.8510 | 994.08  | 4.8290 | 510.38  |
| C.3400     | 1480.34 | 0.3400 | 1309.93 | 1.9510 | 992.00  | 5.2290 | 472.52  |
| C.3500     | 1480.34 | 0.3500 | 1314.65 | 2.0510 | 964.53  | 5.6290 | 406.68  |
| C.3600     | 1483.13 | 0.3600 | 1317.79 | 2.1510 | 958.07  | 5.9290 | 374.94  |
| C.3700     | 1487.30 | 0.3710 | 1317.79 | 2.2510 | 945.04  | 6.3290 | 340.25  |
| C.3800     | 1487.30 | 0.3800 | 1320.93 | 2.3510 | 931.82  | 6.6290 | 287.57  |
| C.4100     | 1487.30 | 0.3900 | 1325.61 | 2.4510 | 904.81  | 7.0290 | 231.84  |
| C.4400     | 1487.30 | 0.4000 | 1330.29 | 2.5510 | 884.00  | 7.3290 | 181.87  |
| C.4700     | 1487.30 | 0.4100 | 1333.39 | 2.6510 | 872.23  | 7.6290 | 143.78  |
| C.5000     | 1487.30 | 0.4200 | 1336.49 | 2.7510 | 850.63  |        |         |
| C.5300     | 1487.30 | 0.4300 | 1341.12 | 2.8510 | 833.45  |        |         |
| C.5600     | 1480.34 | 0.4400 | 1341.12 | 2.9510 | 813.36  |        |         |
| C.5900     | 1473.34 | 0.4500 | 1341.12 | 3.0510 | 800.55  |        |         |
| C.6300     | 1473.34 | 0.4600 | 1341.12 | 3.1510 | 782.26  |        |         |
| C.6900     | 1473.34 | 0.4700 | 1344.20 | 3.2510 | 744.35  |        |         |
| C.7800     | 1459.24 | 0.4800 | 1344.20 | 3.3510 | 724.64  |        |         |

| X--- 29.80 |         | 35.80  |         | 45.80  |        | 55.80 |   |
|------------|---------|--------|---------|--------|--------|-------|---|
| Y          | U       | Y      | U       | Y      | U      | Y     | U |
| 0.8800     | 1437.83 | 0.4900 | 1344.20 | 3.4510 | 713.14 |       |   |
| 0.9800     | 1408.78 | 0.5000 | 1341.12 | 3.5510 | 698.50 |       |   |
| 1.0800     | 1379.12 | 0.5200 | 1341.12 | 3.6510 | 674.40 |       |   |
| 1.1800     | 1348.81 | 0.5400 | 1341.12 | 3.7510 | 652.59 |       |   |
| 1.2800     | 1341.12 | 0.5800 | 1341.12 | 3.8510 | 639.79 |       |   |
| 1.3800     | 1302.01 | 0.6000 | 1341.12 | 3.9510 | 626.74 |       |   |
| 1.4800     | 1269.86 | 0.6500 | 1341.12 | 4.0510 | 603.20 |       |   |
| 1.5800     | 1236.87 | 0.7000 | 1341.12 | 4.1510 | 575.13 |       |   |
| 1.6800     | 1202.98 | 0.7200 | 1341.12 | 4.3510 | 549.59 |       |   |
| 1.7800     | 1159.22 | 0.7400 | 1341.12 | 4.5510 | 498.08 |       |   |
| 1.8800     | 1132.15 | 0.7600 | 1341.12 | 4.7510 | 472.52 |       |   |
| 1.9800     | 1122.98 | 0.8000 | 1333.39 | 4.9510 | 454.68 |       |   |
| 2.0800     | 1085.54 | 0.8500 | 1317.79 | 5.1510 | 426.53 |       |   |
| 2.1800     | 1056.59 | 0.9000 | 1302.01 | 5.3510 | 363.75 |       |   |
| 2.2800     | 1026.82 | 0.9500 | 1294.05 | 5.5510 | 346.28 |       |   |
| 2.3800     | 996.16  | 1.0000 | 1286.04 | 5.8510 | 280.28 |       |   |
| 2.4800     | 964.53  | 1.0500 | 1277.97 | 6.0510 | 249.04 |       |   |
| 2.5800     | 931.82  | 1.1000 | 1269.86 | 6.2510 | 222.75 |       |   |
| 2.6800     | 920.66  | 1.2000 | 1261.69 | 6.5510 | 170.13 |       |   |
| 2.7800     | 909.36  | 1.3000 | 1236.87 | 6.8510 | 111.37 |       |   |
| 2.8800     | 886.34  | 1.4000 | 1211.54 | 7.1510 | 90.94  |       |   |
| 2.9800     | 874.60  | 1.5000 | 1194.35 | 7.3510 | 64.30  |       |   |
| 3.1800     | 800.55  | 1.6000 | 1168.10 |        |        |       |   |
| 3.3800     | 733.15  | 1.7000 | 1132.15 |        |        |       |   |
| 3.5800     | 674.40  | 1.8000 | 1095.02 |        |        |       |   |
| 3.7800     | 610.02  | 1.9000 | 1085.54 |        |        |       |   |
| 3.9800     | 556.87  | 2.0000 | 1075.97 |        |        |       |   |
| 4.1800     | 476.87  | 2.1000 | 953.75  |        |        |       |   |
| 4.3800     | 406.68  | 2.2000 | 1036.83 |        |        |       |   |
| 4.5800     | 363.75  | 2.3000 | 996.16  |        |        |       |   |
| 4.7800     | 321.51  | 2.4000 | 953.75  |        |        |       |   |
| 4.9800     | 249.04  | 2.5000 | 931.82  |        |        |       |   |
| 5.1800     | 203.34  | 2.6000 | 909.36  |        |        |       |   |
| 5.3800     | 143.78  | 2.7000 | 886.34  |        |        |       |   |
| 5.5800     | 0.00    | 2.8000 | 862.70  |        |        |       |   |
|            |         | 2.9000 | 830.96  |        |        |       |   |
|            |         | 3.0000 | 800.55  |        |        |       |   |
|            |         | 3.1000 | 766.24  |        |        |       |   |
|            |         | 3.2000 | 733.15  |        |        |       |   |
|            |         | 3.3000 | 718.92  |        |        |       |   |
|            |         | 3.4000 | 718.92  |        |        |       |   |
|            |         | 3.6000 | 658.90  |        |        |       |   |
|            |         | 3.8000 | 610.02  |        |        |       |   |
|            |         | 4.0000 | 556.87  |        |        |       |   |
|            |         | 4.2000 | 537.99  |        |        |       |   |
|            |         | 4.4000 | 498.08  |        |        |       |   |
|            |         | 4.6000 | 454.68  |        |        |       |   |

| X--- 29.80 |   | 35.80  |        | 45.80 |   | 55.80 |   |
|------------|---|--------|--------|-------|---|-------|---|
| Y          | U | Y      | U      | Y     | U | Y     | U |
|            |   | 4.8000 | 406.68 |       |   |       |   |
|            |   | 5.0000 | 321.51 |       |   |       |   |
|            |   | 5.2000 | 272.81 |       |   |       |   |
|            |   | 5.4000 | 222.75 |       |   |       |   |
|            |   | 5.6000 | 181.87 |       |   |       |   |
|            |   | 5.8000 | 143.78 |       |   |       |   |
|            |   | 6.0000 | 64.30  |       |   |       |   |

TABLE A- 6

ALPHA= 37.12

YC= 0.1016

REC= 3115.0

| X--- 0.00 |         | 0.45   |         | 0.95   |         | 1.95   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600    | 4593.98 | 0.0600 | 4321.98 | 0.0600 | 3800.73 | 0.0600 | 2367.25 |
| 0.0650    | 4600.09 | 0.0650 | 4299.09 | 0.0670 | 3793.26 | 0.0660 | 2362.60 |
| 0.0700    | 4589.69 | 0.0700 | 4431.69 | 0.0820 | 4041.30 | 0.0710 | 2336.20 |
| 0.0750    | 4590.31 | 0.0750 | 4408.31 | 0.0870 | 4201.81 | 0.0810 | 2380.03 |
| 0.0800    | 4590.10 | 0.0800 | 4478.10 | 0.0920 | 4117.32 | 0.0910 | 2388.70 |
|           |         | 0.0850 | 4417.68 | 0.0970 | 4071.88 | 0.1010 | 2318.43 |
|           |         | 0.0900 | 4313.49 | 0.1020 | 4051.52 | 0.1110 | 2309.50 |
|           |         | 0.0950 | 4226.34 | 0.1070 | 4005.33 | 0.1210 | 2282.49 |
|           |         | 0.1000 | 3963.83 | 0.1120 | 3868.81 | 0.1310 | 2227.48 |
|           |         | 0.1050 | 3462.76 | 0.1170 | 3682.64 | 0.1410 | 2208.84 |
|           |         | 0.1100 | 3117.14 | 0.1220 | 3384.25 | 0.1510 | 2180.58 |
|           |         | 0.1150 | 2689.94 | 0.1270 | 3083.80 | 0.1610 | 2122.93 |
|           |         | 0.1200 | 2180.58 | 0.1320 | 2743.21 | 0.1710 | 2083.62 |
|           |         | 0.1250 | 1772.68 | 0.1370 | 2405.95 | 0.1810 | 2053.63 |
|           |         | 0.1300 | 1364.05 | 0.1420 | 2012.96 | 0.1910 | 1945.06 |
|           |         | 0.1350 | 1036.83 | 0.1470 | 1645.67 | 0.2010 | 1872.50 |
|           |         | 0.1400 | 733.15  | 0.1490 | 1535.18 | 0.2110 | 1723.00 |
|           |         | 0.1450 | 498.08  | 0.1520 | 1317.79 | 0.2210 | 1636.86 |
|           |         | 0.1500 | 352.20  | 0.1550 | 1150.26 | 0.2310 | 1588.14 |
|           |         | 0.1550 | 143.78  | 0.1590 | 968.80  | 0.2410 | 1521.66 |
|           |         | 0.1600 | 0.00    | 0.1620 | 818.43  | 0.2510 | 1452.14 |
|           |         |        |         | 0.1650 | 689.56  | 0.2610 | 1394.03 |
|           |         |        |         | 0.1690 | 545.62  | 0.2710 | 1330.29 |
|           |         |        |         | 0.1720 | 440.83  | 0.2810 | 1218.34 |
|           |         |        |         | 0.1750 | 301.60  | 0.2910 | 1150.26 |
|           |         |        |         | 0.1770 | 249.04  | 0.3010 | 992.00  |
|           |         |        |         | 0.1800 | 222.75  | 0.3110 | 862.70  |
|           |         |        |         | 0.1820 | 192.91  | 0.3210 | 774.30  |

| X--- 0.00 |   | 0.45 |   | 0.95   |       | 1.95   |        |
|-----------|---|------|---|--------|-------|--------|--------|
| Y         | U | Y    | U | Y      | U     | Y      | U      |
|           |   |      |   | 0.1870 | 90.94 | 0.3310 | 695.53 |
|           |   |      |   | 0.1920 | 0.00  | 0.3410 | 643.02 |
|           |   |      |   |        |       | 0.3510 | 610.02 |
|           |   |      |   |        |       | 0.3610 | 567.90 |
|           |   |      |   |        |       | 0.3710 | 537.99 |
|           |   |      |   |        |       | 0.3810 | 489.71 |
|           |   |      |   |        |       | 0.3910 | 396.38 |

TABLE A- 6

ALPHA= 37.12

YC= 0.1016

REC= 3115.0

| X--- 2.45 |         | 4.95   |         | 6.45   |         | 8.45   |        |
|-----------|---------|--------|---------|--------|---------|--------|--------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U      |
| 0.0600    | 2117.33 | 0.0600 | 1168.62 | 0.0600 | 998.12  | 0.0600 | 840.04 |
| 0.0700    | 2113.17 | 0.0700 | 1168.10 | 0.0650 | 996.16  | 0.0650 | 843.31 |
| 0.0800    | 2113.17 | 0.0800 | 1171.63 | 0.0750 | 1006.48 | 0.0750 | 845.76 |
| 0.0900    | 2113.17 | 0.0900 | 1185.67 | 0.0850 | 1016.70 | 0.0850 | 850.63 |
| 0.1000    | 2103.37 | 0.1000 | 1201.26 | 0.0950 | 1046.76 | 0.0950 | 862.70 |
| 0.1100    | 2093.51 | 0.1100 | 1211.54 | 0.1050 | 1056.59 | 0.1050 | 886.34 |
| 0.1200    | 2083.62 | 0.1200 | 1216.65 | 0.1150 | 1056.59 | 0.1150 | 897.93 |
| 0.1300    | 2033.40 | 0.1600 | 1206.41 | 0.1250 | 1066.32 | 0.1250 | 909.36 |
| 0.1400    | 2007.82 | 0.2400 | 1206.41 | 0.1350 | 1066.32 | 0.1350 | 913.90 |
| 0.1500    | 1971.45 | 0.2500 | 1189.15 | 0.1450 | 1056.59 | 0.1450 | 920.66 |
| 0.1600    | 1939.74 | 0.2600 | 1185.67 | 0.1550 | 1056.59 | 0.1550 | 925.14 |
| 0.1700    | 1907.50 | 0.2800 | 1176.92 | 0.1650 | 1056.59 | 0.1650 | 927.37 |
| 0.1800    | 1858.09 | 0.3000 | 1150.26 | 0.1750 | 1056.59 | 0.1750 | 931.82 |
| 0.1900    | 1801.60 | 0.3200 | 1132.15 | 0.1950 | 1046.76 | 0.1850 | 934.04 |
| 0.2000    | 1737.34 | 0.3400 | 1113.74 | 0.2150 | 1046.76 | 0.1950 | 936.25 |
| 0.2100    | 1676.78 | 0.3600 | 1095.02 | 0.2350 | 1036.83 | 0.2050 | 938.45 |
| 0.2200    | 1620.35 | 0.3800 | 1064.38 | 0.2550 | 1020.76 | 0.2150 | 942.85 |
| 0.2300    | 1561.88 | 0.4000 | 1036.83 | 0.2750 | 1006.48 | 0.2250 | 942.85 |
| 0.2400    | 1528.44 | 0.4300 | 1032.84 | 0.2950 | 996.16  | 0.2350 | 938.45 |
| 0.2500    | 1508.01 | 0.4600 | 953.75  | 0.3150 | 985.73  | 0.2450 | 936.25 |
| 0.2600    | 1501.14 | 0.4900 | 931.82  | 0.3350 | 979.42  | 0.2550 | 934.04 |
| 0.2700    | 1449.29 | 0.5200 | 879.31  | 0.3550 | 953.75  | 0.2650 | 927.37 |
| 0.2800    | 1408.78 | 0.5500 | 830.96  | 0.3750 | 938.45  | 0.2750 | 925.14 |
| 0.2900    | 1356.45 | 0.5800 | 784.90  | 0.3950 | 920.66  | 0.2850 | 922.90 |
| 0.3000    | 1286.04 | 0.6100 | 747.12  | 0.4150 | 909.36  | 0.2950 | 920.66 |
| 0.3100    | 1216.65 | 0.6500 | 698.50  | 0.4350 | 897.93  | 0.3150 | 913.90 |
| 0.3200    | 1176.92 | 0.6900 | 643.02  | 0.4550 | 890.99  | 0.3350 | 909.36 |
| 0.3300    | 1104.42 | 0.7300 | 592.83  | 0.4750 | 874.60  | 0.3550 | 904.81 |





A=30

| X=--- 2.45 |        | 4.95 |   | 6.45 |   | 8.45 |   |
|------------|--------|------|---|------|---|------|---|
| Y          | U      | Y    | U | Y    | U | Y    | U |
| 1.3150     | 272.81 |      |   |      |   |      |   |
| 1.3350     | 257.21 |      |   |      |   |      |   |
| 1.3550     | 249.04 |      |   |      |   |      |   |
| 1.3750     | 240.60 |      |   |      |   |      |   |
| 1.3950     | 222.75 |      |   |      |   |      |   |
| 1.4150     | 213.26 |      |   |      |   |      |   |
| 1.4350     | 181.87 |      |   |      |   |      |   |
| 1.4550     | 170.13 |      |   |      |   |      |   |
| 1.4750     | 143.78 |      |   |      |   |      |   |
| 1.4950     | 128.60 |      |   |      |   |      |   |
| 1.5150     | 111.37 |      |   |      |   |      |   |
| 1.5350     | 90.94  |      |   |      |   |      |   |
| 1.5550     | 64.30  |      |   |      |   |      |   |
| 1.5750     | 0.00   |      |   |      |   |      |   |

TABLE A- 6

ALPHA= 37.12

YC= 0.1016

REC= 3115.0

| X=--- 10.45 |        |
|-------------|--------|
| Y           | U      |
| 0.0600      | 720.33 |
| 0.0800      | 724.64 |
| 0.1000      | 747.12 |
| 0.1200      | 787.53 |
| 0.1400      | 808.26 |
| 0.1600      | 813.36 |
| 0.1800      | 825.97 |
| 0.2000      | 850.63 |
| 0.2200      | 838.39 |
| 0.2400      | 838.39 |
| 0.2600      | 838.39 |
| 0.3100      | 838.39 |
| 0.3600      | 825.97 |
| 0.4100      | 813.36 |
| 0.4600      | 787.53 |
| 0.5100      | 774.30 |
| 0.5600      | 760.83 |
| 0.6100      | 738.77 |
| 0.6600      | 718.92 |
| 0.7100      | 710.24 |
| 0.7600      | 704.39 |
| 0.8100      | 674.40 |

X--- 10.45

| Y      | U      |
|--------|--------|
| 0.8600 | 658.90 |
| 0.9100 | 643.02 |
| 0.9600 | 610.02 |
| 1.0100 | 592.83 |
| 1.0600 | 575.13 |
| 1.1100 | 537.99 |
| 1.1600 | 498.08 |
| 1.2100 | 476.87 |
| 1.2600 | 454.68 |
| 1.3100 | 416.72 |
| 1.3600 | 396.38 |
| 1.4100 | 352.20 |
| 1.4600 | 321.51 |
| 1.5100 | 308.38 |
| 1.5600 | 287.57 |
| 1.6100 | 265.12 |
| 1.6600 | 222.75 |
| 1.7100 | 203.34 |
| 1.7600 | 181.87 |
| 1.8100 | 157.51 |
| 1.8600 | 128.60 |
| 1.9100 | 111.37 |
| 1.9600 | 64.30  |
| 2.0100 | 0.00   |

TABLE A- 7

ALPHA= 37.12

YC= 0.1956

REC= 6777.0

X--- 0.00

0.90

1.90

2.90

| Y      | U       | Y      | U       | Y      | U       | Y      | U       |
|--------|---------|--------|---------|--------|---------|--------|---------|
| 0.0600 | 4969.76 | 0.0600 | 4383.97 | 0.0600 | 3587.22 | 0.0600 | 3076.41 |
| 0.0650 | 4960.00 | 0.0680 | 4427.03 | 0.0670 | 3591.70 | 0.0680 | 3077.09 |
| 0.0700 | 4972.48 | 0.0730 | 4473.48 | 0.0720 | 3591.70 | 0.0730 | 3077.09 |
| 0.0750 | 4980.79 | 0.0780 | 4487.32 | 0.0770 | 3591.70 | 0.0780 | 3077.09 |
| 0.0800 | 4980.79 | 0.0830 | 4510.30 | 0.0820 | 3591.70 | 0.0880 | 3077.09 |
| 0.0850 | 5022.13 | 0.0880 | 4501.12 | 0.0870 | 3591.70 | 0.0980 | 3083.80 |
| 0.0900 | 5050.86 | 0.0930 | 4496.53 | 0.0920 | 3603.19 | 0.1080 | 3097.18 |
| 0.0950 | 5124.01 | 0.0980 | 4496.53 | 0.1020 | 3620.37 | 0.1180 | 3097.18 |
| 0.1000 | 5156.18 | 0.1030 | 4491.93 | 0.1120 | 3620.37 | 0.1280 | 3077.09 |
| 0.1050 | 5184.17 | 0.1080 | 4482.71 | 0.1220 | 3603.19 | 0.1380 | 3063.63 |
| 0.1100 | 5184.17 | 0.1130 | 4450.31 | 0.1320 | 3580.17 | 0.1480 | 3036.51 |

| X----- 0.00 |         | 0.90   |         | 1.90   |         | 2.90   |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| C.1150      | 5188.16 | 0.1180 | 4417.68 | 0.1420 | 3562.81 | 0.1580 | 3022.87 |
| C.1200      | 5192.14 | 0.1230 | 4375.36 | 0.1520 | 3521.95 | 0.1680 | 3002.28 |
| C.1250      | 5192.14 | 0.1280 | 4323.07 | 0.1620 | 3474.68 | 0.1780 | 2967.65 |
| C.1300      | 5192.14 | 0.1330 | 4274.98 | 0.1720 | 3444.80 | 0.1880 | 2946.68 |
| C.1350      | 5176.19 | 0.1380 | 4231.23 | 0.1820 | 3384.25 | 0.1980 | 2890.00 |
| C.1400      | 5172.20 | 0.1430 | 4182.09 | 0.1920 | 3322.60 | 0.2080 | 2854.01 |
| C.1450      | 5152.17 | 0.1480 | 4117.32 | 0.2020 | 3215.09 | 0.2180 | 2788.06 |
|             |         | 0.1530 | 4051.52 | 0.2120 | 3117.14 | 0.2280 | 2728.09 |
|             |         | 0.1580 | 3963.83 | 0.2220 | 3029.70 | 0.2380 | 2674.52 |
|             |         | 0.1630 | 3895.43 | 0.2270 | 2995.39 | 0.2480 | 2651.23 |
|             |         | 0.1680 | 3793.26 | 0.2320 | 2981.55 | 0.2580 | 2596.07 |
|             |         | 0.1730 | 3710.61 | 0.2420 | 2953.68 | 0.2680 | 2547.84 |
|             |         | 0.1780 | 3637.46 | 0.2520 | 2861.25 | 0.2780 | 2490.40 |
|             |         | 0.1830 | 3574.39 | 0.2620 | 2750.73 | 0.2880 | 2448.54 |
|             |         | 0.1880 | 3510.19 | 0.2720 | 2666.78 | 0.2980 | 2380.03 |
|             |         | 0.1930 | 3414.66 | 0.2820 | 2564.02 | 0.3080 | 2318.43 |
|             |         | 0.1980 | 3335.02 | 0.2920 | 2473.74 | 0.3180 | 2273.41 |
|             |         | 0.2030 | 3227.92 | 0.3020 | 2380.03 | 0.3280 | 2180.58 |
|             |         | 0.2080 | 3150.13 | 0.3120 | 2236.74 | 0.3380 | 2122.93 |
|             |         | 0.2130 | 3063.63 | 0.3220 | 2142.32 | 0.3580 | 2053.63 |
|             |         | 0.2180 | 2981.55 | 0.3320 | 2113.17 | 0.3680 | 1992.32 |
|             |         | 0.2230 | 2882.84 | 0.3420 | 2021.16 | 0.3780 | 1939.74 |
|             |         | 0.2280 | 2795.46 | 0.3520 | 1929.05 | 0.3880 | 1874.70 |
|             |         | 0.2330 | 2705.26 | 0.3620 | 1846.93 | 0.3980 | 1807.33 |
|             |         | 0.2380 | 2611.95 | 0.3720 | 1746.83 | 0.4080 | 1751.56 |
|             |         | 0.2430 | 2502.82 | 0.3820 | 1664.41 | 0.4180 | 1676.78 |
|             |         | 0.2480 | 2380.03 | 0.3920 | 1557.91 | 0.4280 | 1601.10 |
|             |         | 0.2530 | 2208.84 | 0.4020 | 1462.07 | 0.4380 | 1541.90 |
|             |         | 0.2580 | 2113.17 | 0.4120 | 1348.81 | 0.4480 | 1487.30 |
|             |         | 0.2630 | 1999.57 | 0.4220 | 1251.82 | 0.4580 | 1437.83 |
|             |         | 0.2680 | 1885.70 | 0.4320 | 1187.41 | 0.4680 | 1394.03 |
|             |         | 0.2730 | 1793.55 | 0.4420 | 1070.19 | 0.4780 | 1341.12 |
|             |         | 0.2780 | 1713.37 | 0.4520 | 1040.81 | 0.4880 | 1286.04 |
|             |         | 0.2830 | 1641.90 | 0.4620 | 953.75  | 0.4980 | 1223.42 |
|             |         | 0.2880 | 1576.38 | 0.4720 | 886.34  | 0.5080 | 1171.63 |
|             |         | 0.2930 | 1521.66 | 0.4820 | 795.37  | 0.5180 | 1089.34 |
|             |         | 0.2980 | 1437.83 | 0.4920 | 733.15  | 0.5280 | 1018.73 |
|             |         | 0.3030 | 1336.49 | 0.5020 | 626.74  | 0.5380 | 958.07  |
|             |         | 0.3080 | 1248.51 | 0.5120 | 537.99  | 0.5480 | 925.14  |
|             |         | 0.3130 | 1162.78 | 0.5220 | 454.68  | 0.5580 | 874.60  |
|             |         | 0.3180 | 1089.34 | 0.5320 | 406.68  | 0.5680 | 833.45  |
|             |         | 0.3230 | 1000.30 | 0.5420 | 327.88  | 0.5780 | 787.53  |
|             |         | 0.3280 | 918.41  | 0.5520 | 265.12  | 0.5880 | 733.15  |
|             |         | 0.3330 | 818.43  | 0.5620 | 203.34  | 0.5980 | 674.40  |
|             |         | 0.3380 | 747.12  | 0.5720 | 0.00    | 0.6080 | 613.40  |
|             |         | 0.3430 | 674.40  |        |         | 0.6180 | 564.25  |
|             |         | 0.3480 | 582.28  |        |         | 0.6280 | 498.08  |

| X--- 0.00 |   | 0.90   |        | 1.90 |   | 2.90   |        |
|-----------|---|--------|--------|------|---|--------|--------|
| Y         | U | Y      | U      | Y    | U | Y      | U      |
|           |   | 0.3530 | 498.08 |      |   | 0.6380 | 450.11 |
|           |   | 0.3580 | 380.41 |      |   | 0.6480 | 406.68 |
|           |   | 0.3630 | 294.67 |      |   | 0.6580 | 358.02 |
|           |   | 0.3680 | 203.34 |      |   | 0.6680 | 287.57 |
|           |   | 0.3730 | 111.37 |      |   | 0.6880 | 157.51 |
|           |   | 0.3780 | 0.00   |      |   | 0.7080 | 0.00   |

TABLE A- 7

ALPHA= 37.12

YC= 0.1956

REC= 6777.0

| X--- 4.90 |         | 6.90   |         | 8.90   |         | 11.90  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600    | 2410.69 | 0.0600 | 1993.12 | 0.0600 | 1680.09 | 0.0600 | 1399.74 |
| 0.0660    | 2414.53 | 0.0700 | 1992.32 | 0.0700 | 1682.94 | 0.0730 | 1404.37 |
| 0.0710    | 2414.53 | 0.0800 | 2033.40 | 0.0800 | 1701.26 | 0.0830 | 1408.78 |
| 0.0760    | 2423.08 | 0.0900 | 2063.68 | 0.0900 | 1731.38 | 0.0930 | 1423.38 |
| 0.0860    | 2440.08 | 0.1000 | 2068.68 | 0.1000 | 1749.20 | 0.1030 | 1445.00 |
| 0.0960    | 2456.97 | 0.1100 | 2068.68 | 0.1100 | 1755.10 | 0.1130 | 1454.98 |
| 0.1060    | 2465.37 | 0.1200 | 2068.68 | 0.1200 | 1760.98 | 0.1230 | 1467.71 |
| 0.1160    | 2465.37 | 0.1300 | 2073.67 | 0.1300 | 1772.68 | 0.1330 | 1474.74 |
| 0.1260    | 2431.59 | 0.1400 | 2073.67 | 0.1400 | 1775.01 | 0.1430 | 1476.14 |
| 0.1360    | 2423.08 | 0.1500 | 2073.67 | 0.1500 | 1778.50 | 0.1530 | 1480.34 |
| 0.1460    | 2405.95 | 0.1600 | 2063.68 | 0.1600 | 1778.50 | 0.1630 | 1484.52 |
| 0.1560    | 2397.34 | 0.1700 | 2053.63 | 0.1700 | 1778.50 | 0.1830 | 1484.52 |
| 0.1760    | 2362.60 | 0.1800 | 2043.54 | 0.1800 | 1775.01 | 0.2030 | 1497.00 |
| 0.1960    | 2318.43 | 0.1900 | 2023.21 | 0.1900 | 1772.68 | 0.2230 | 1488.69 |
| 0.2160    | 2291.53 | 0.2000 | 2007.82 | 0.2000 | 1760.98 | 0.2430 | 1477.54 |
| 0.2360    | 2236.74 | 0.2100 | 1997.50 | 0.2100 | 1755.10 | 0.2630 | 1467.71 |
| 0.2560    | 2180.58 | 0.2300 | 1978.78 | 0.2200 | 1749.20 | 0.2830 | 1466.31 |
| 0.2760    | 2122.93 | 0.2500 | 1955.66 | 0.2300 | 1737.34 | 0.3030 | 1453.56 |
| 0.2960    | 2113.17 | 0.2700 | 1918.31 | 0.2400 | 1731.38 | 0.3230 | 1452.14 |
| 0.3160    | 2053.63 | 0.2900 | 1880.21 | 0.2500 | 1725.40 | 0.3430 | 1430.62 |
| 0.3360    | 1990.24 | 0.3100 | 1854.75 | 0.2600 | 1713.37 | 0.3730 | 1411.71 |
| 0.3560    | 1912.91 | 0.3300 | 1818.73 | 0.2700 | 1707.33 | 0.4030 | 1394.03 |
| 0.3760    | 1854.75 | 0.3500 | 1784.30 | 0.2800 | 1701.26 | 0.4330 | 1367.07 |
| 0.3960    | 1795.85 | 0.3700 | 1737.34 | 0.2900 | 1695.18 | 0.4630 | 1348.81 |
| 0.4060    | 1772.68 | 0.3900 | 1701.26 | 0.3000 | 1676.78 | 0.4930 | 1328.73 |
| 0.4160    | 1749.20 | 0.4100 | 1664.41 | 0.3100 | 1664.41 | 0.5230 | 1302.01 |
| 0.4260    | 1713.37 | 0.4300 | 1626.72 | 0.3200 | 1658.19 | 0.5430 | 1286.04 |
| 0.4360    | 1676.78 | 0.4500 | 1594.63 | 0.3300 | 1639.38 | 0.5830 | 1250.17 |
| 0.4460    | 1639.38 | 0.4700 | 1541.90 | 0.3400 | 1633.06 | 0.6130 | 1220.04 |

| X--- 4.90 |         | 6.90   |         | 8.90   |         | 11.90  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.4560    | 1588.14 | 0.4900 | 1501.14 | 0.3500 | 1620.35 | 0.6430 | 1202.98 |
| 0.4660    | 1561.88 | 0.5100 | 1466.31 | 0.3700 | 1594.63 | 0.6730 | 1176.92 |
| 0.4760    | 1535.18 | 0.5300 | 1437.83 | 0.3900 | 1575.07 | 0.7030 | 1135.80 |
| 0.4960    | 1487.30 | 0.5500 | 1408.78 | 0.4100 | 1548.59 | 0.7330 | 1122.98 |
| 0.5060    | 1462.07 | 0.5700 | 1364.05 | 0.4300 | 1514.85 | 0.7630 | 1095.02 |
| 0.5160    | 1437.83 | 0.5900 | 1302.01 | 0.4500 | 1503.89 | 0.8030 | 1050.70 |
| 0.5260    | 1394.03 | 0.6100 | 1264.96 | 0.4700 | 1476.14 | 0.8330 | 1036.83 |
| 0.5360    | 1364.05 | 0.6300 | 1228.48 | 0.4900 | 1459.24 | 0.8730 | 996.16  |
| 0.5460    | 1317.79 | 0.6500 | 1185.67 | 0.5100 | 1430.62 | 0.9030 | 964.53  |
| 0.5560    | 1277.97 | 0.6700 | 1150.26 | 0.5300 | 1401.42 | 0.9330 | 949.40  |
| 0.5660    | 1245.20 | 0.6900 | 1113.74 | 0.5500 | 1364.05 | 0.9630 | 902.52  |
| 0.5760    | 1214.95 | 0.7100 | 1075.97 | 0.5700 | 1348.81 | 0.9930 | 879.31  |
| 0.5860    | 1185.67 | 0.7300 | 1046.76 | 0.5900 | 1313.08 | 1.0330 | 838.39  |
| 0.5960    | 1168.10 | 0.7500 | 975.18  | 0.6100 | 1286.04 | 1.0630 | 813.36  |
| 0.6060    | 1150.26 | 0.7700 | 931.82  | 0.6300 | 1416.10 | 1.0930 | 787.53  |
| 0.6160    | 1132.15 | 0.7900 | 886.34  | 0.6500 | 1228.48 | 1.1230 | 752.63  |
| 0.6260    | 1075.97 | 0.8100 | 838.39  | 0.6700 | 1202.98 | 1.1530 | 718.92  |
| 0.6360    | 1036.83 | 0.8300 | 813.36  | 0.6900 | 1171.63 | 1.1830 | 704.39  |
| 0.6460    | 996.16  | 0.8500 | 774.30  | 0.7100 | 1146.66 | 1.2130 | 674.40  |
| 0.6560    | 964.53  | 0.8700 | 747.12  | 0.7300 | 1113.74 | 1.2430 | 646.22  |
| 0.6660    | 931.82  | 0.8900 | 718.92  | 0.7500 | 1095.02 | 1.2730 | 613.40  |
| 0.6760    | 913.90  | 0.9100 | 689.56  | 0.7700 | 1060.49 | 1.3130 | 578.72  |
| 0.6860    | 874.60  | 0.9300 | 626.74  | 0.7900 | 1036.83 | 1.3530 | 545.62  |
| 0.6960    | 850.63  | 0.9500 | 592.83  | 0.8100 | 1006.48 | 1.3930 | 502.21  |
| 0.7060    | 825.97  | 0.9700 | 556.87  | 0.8300 | 975.18  | 1.4330 | 476.87  |
| 0.7160    | 800.55  | 0.9900 | 518.42  | 0.8500 | 942.85  | 1.4730 | 454.68  |
| 0.7260    | 774.30  | 1.0100 | 476.87  | 0.8700 | 909.36  | 1.5130 | 411.73  |
| 0.7360    | 747.12  | 1.0300 | 454.68  | 0.8900 | 886.34  | 1.5530 | 396.38  |
| 0.7460    | 718.92  | 1.0500 | 406.68  | 0.9100 | 862.70  | 1.6130 | 327.88  |
| 0.7560    | 689.56  | 1.0700 | 380.41  | 0.9300 | 838.39  | 1.6630 | 287.57  |
| 0.7660    | 674.40  | 1.0900 | 352.20  | 0.9500 | 808.26  | 1.7230 | 272.81  |
| 0.7760    | 643.02  | 1.1100 | 321.51  | 0.9700 | 787.53  | 1.7730 | 203.34  |
| 0.7860    | 610.02  | 1.1300 | 287.57  | 0.9900 | 760.83  | 1.8730 | 128.60  |
| 0.7960    | 575.13  | 1.1500 | 249.04  | 1.0100 | 733.15  | 1.9230 | 90.94   |
| 0.8060    | 556.87  | 1.1700 | 192.91  | 1.0300 | 704.39  | 1.9730 | 0.00    |
| 0.8160    | 537.99  | 1.1900 | 170.13  | 1.0500 | 674.40  |        |         |
| 0.8260    | 498.08  | 1.2100 | 143.78  | 1.0700 | 643.02  |        |         |
| 0.8360    | 476.87  | 1.2300 | 128.60  | 1.0900 | 610.02  |        |         |
| 0.8460    | 454.68  | 1.2500 | 90.94   | 1.1100 | 575.13  |        |         |
| 0.8560    | 431.35  | 1.2700 | 64.30   | 1.1300 | 537.99  |        |         |
| 0.8660    | 406.68  | 1.2900 | 0.00    | 1.1500 | 498.08  |        |         |
| 0.8760    | 380.41  |        |         | 1.1700 | 518.42  |        |         |
| 0.8860    | 352.20  |        |         | 1.1900 | 498.08  |        |         |
| 0.8960    | 287.57  |        |         | 1.2100 | 476.87  |        |         |
| 0.9060    | 321.51  |        |         | 1.2300 | 454.68  |        |         |
| 0.9160    | 287.57  |        |         | 1.2500 | 421.65  |        |         |
| 0.9260    | 249.04  |        |         | 1.2700 | 406.68  |        |         |
| 0.9360    | 203.34  |        |         | 1.2900 | 380.41  |        |         |

| X--- 4.90 |        | 6.90 |   | 8.90   |        | 11.90 |   |
|-----------|--------|------|---|--------|--------|-------|---|
| Y         | U      | Y    | U | Y      | U      | Y     | U |
| C.9460    | 181.87 |      |   | 1.3100 | 352.20 |       |   |
| C.9560    | 170.13 |      |   | 1.3300 | 334.12 |       |   |
| C.9660    | 90.94  |      |   | 1.3500 | 321.51 |       |   |
| C.9760    | 0.00   |      |   | 1.3700 | 287.57 |       |   |
|           |        |      |   | 1.3900 | 222.75 |       |   |
|           |        |      |   | 1.4100 | 203.34 |       |   |
|           |        |      |   | 1.4300 | 192.91 |       |   |
|           |        |      |   | 1.4600 | 90.94  |       |   |
|           |        |      |   | 1.4900 | 0.00   |       |   |

TABLE A- 7

ALPHA= 37.12

YC= 0.1956

REC= 6777.0

| X--- 15.90 |         | 19.90  |         | 25.90  |        | 0.00 |  |
|------------|---------|--------|---------|--------|--------|------|--|
| Y          | U       | Y      | U       | Y      | U      |      |  |
| C.0600     | 1138.03 | 0.0600 | 944.70  | 0.0600 | 762.33 |      |  |
| C.0830     | 1144.86 | 0.0900 | 953.75  | 0.1120 | 797.96 |      |  |
| C.1130     | 1185.67 | 0.1200 | 1000.30 | 0.1720 | 845.76 |      |  |
| C.1430     | 1220.04 | 0.1700 | 1040.81 | 0.2420 | 874.60 |      |  |
| C.1730     | 1231.84 | 0.2100 | 1066.32 | 0.3120 | 886.34 |      |  |
| C.2030     | 1236.87 | 0.2400 | 1074.05 | 0.4120 | 886.34 |      |  |
| C.2330     | 1238.54 | 0.3000 | 1079.81 | 0.5120 | 886.34 |      |  |
| C.2630     | 1245.20 | 0.3500 | 1075.97 | 0.6120 | 874.60 |      |  |
| C.2930     | 1236.87 | 0.4000 | 1062.44 | 0.8120 | 825.97 |      |  |
| C.3330     | 1223.42 | 0.4700 | 1052.67 | 1.1120 | 758.11 |      |  |
| C.3630     | 1216.65 | 0.5000 | 1016.70 | 1.5120 | 643.02 |      |  |
| C.4030     | 1202.98 | 0.5700 | 996.16  | 1.9120 | 530.25 |      |  |
| C.4430     | 1190.89 | 0.6200 | 975.18  | 2.3120 | 406.68 |      |  |
| C.4830     | 1182.17 | 0.6700 | 953.75  | 2.7120 | 346.28 |      |  |
| C.5230     | 1152.06 | 0.7200 | 942.85  | 3.1120 | 203.34 |      |  |
| C.5630     | 1135.80 | 0.8200 | 718.92  | 3.5120 | 181.87 |      |  |
| C.6130     | 1117.45 | 0.9200 | 862.70  | 3.8120 | 90.94  |      |  |
| C.6630     | 1093.13 | 1.0200 | 813.36  |        |        |      |  |
| C.7130     | 1056.59 | 1.1200 | 782.26  |        |        |      |  |
| C.7730     | 1016.70 | 1.2200 | 733.15  |        |        |      |  |
| C.8230     | 996.16  | 1.3200 | 698.50  |        |        |      |  |
| C.8730     | 975.18  | 1.4200 | 649.42  |        |        |      |  |
| C.9230     | 936.25  | 1.5200 | 610.02  |        |        |      |  |
| C.9630     | 913.90  | 1.6200 | 571.53  |        |        |      |  |
| 1.0030     | 895.62  | 1.7200 | 506.31  |        |        |      |  |
| 1.0430     | 867.48  | 1.8300 | 476.87  |        |        |      |  |

| X--- 15.90 |        | 19.90  |        | 25.90 |   | 0.00 |
|------------|--------|--------|--------|-------|---|------|
| Y          | U      | Y      | U      | Y     | U |      |
| 1.0830     | 843.31 | 1.9300 | 431.35 |       |   |      |
| 1.1230     | 813.36 | 2.0300 | 401.56 |       |   |      |
| 1.1730     | 787.53 | 2.1300 | 358.02 |       |   |      |
| 1.2330     | 755.37 | 2.2300 | 315.01 |       |   |      |
| 1.2830     | 718.92 | 2.3300 | 287.57 |       |   |      |
| 1.3430     | 680.51 | 2.5300 | 203.34 |       |   |      |
| 1.3930     | 649.42 | 2.7300 | 143.78 |       |   |      |
| 1.4430     | 626.74 |        |        |       |   |      |
| 1.5430     | 567.90 |        |        |       |   |      |
| 1.5930     | 537.99 |        |        |       |   |      |
| 1.6430     | 514.41 |        |        |       |   |      |
| 1.6930     | 472.52 |        |        |       |   |      |
| 1.7430     | 454.68 |        |        |       |   |      |
| 1.8430     | 401.56 |        |        |       |   |      |
| 1.9430     | 352.20 |        |        |       |   |      |
| 2.0430     | 301.60 |        |        |       |   |      |
| 2.1430     | 240.60 |        |        |       |   |      |
| 2.2430     | 203.34 |        |        |       |   |      |
| 2.3430     | 143.78 |        |        |       |   |      |
| 2.4430     | 90.94  |        |        |       |   |      |
| 2.5430     | 0.00   |        |        |       |   |      |

TABLE A- 8

ALPHA= 37.12

YC= 0.3150

REC= 10290.0

| X--- 0.00 |         | 0.68   |         | 1.68   |         | 2.68   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600    | 4393.43 | 0.0600 | 4074.81 | 0.0600 | 4023.55 | 0.0600 | 3945.41 |
| 0.0700    | 4384.80 | 0.0700 | 4191.96 | 0.0700 | 4117.32 | 0.0700 | 3989.82 |
| 0.0800    | 4408.31 | 0.0800 | 4361.16 | 0.0800 | 4265.30 | 0.0800 | 4076.95 |
| 0.0850    | 4431.69 | 0.0900 | 4454.96 | 0.0900 | 4361.16 | 0.0900 | 4117.32 |
| 0.0900    | 4431.69 | 0.1000 | 4546.82 | 0.1000 | 4431.69 | 0.1000 | 4142.35 |
| 0.0950    | 4431.69 | 0.1100 | 4592.06 | 0.1100 | 4454.96 | 0.1100 | 4157.30 |
| 0.1000    | 4478.10 | 0.1200 | 4659.11 | 0.1200 | 4491.93 | 0.1200 | 4167.23 |
| 0.1050    | 4524.03 | 0.1300 | 4712.05 | 0.1300 | 4514.88 | 0.1300 | 4152.32 |
| 0.1100    | 4592.06 | 0.1400 | 4747.02 | 0.1400 | 4514.88 | 0.1400 | 4117.32 |
| 0.1150    | 4636.87 | 0.1500 | 4768.75 | 0.1500 | 4501.12 | 0.1500 | 4076.95 |
| 0.1200    | 4681.24 | 0.1600 | 4768.75 | 0.1600 | 4454.96 | 0.1600 | 4031.06 |
| 0.1250    | 4703.27 | 0.1700 | 4755.72 | 0.1700 | 4394.22 | 0.1700 | 3989.82 |
| 0.1300    | 4747.02 | 0.1800 | 4681.24 | 0.1800 | 4313.49 | 0.1800 | 3911.32 |
| 0.1350    | 4768.75 | 0.1900 | 4854.68 | 0.1900 | 4240.99 | 0.1900 | 3831.22 |



[illegible]

| X--- | 0.00 |   | 0.68 |   | 1.68 |        | 2.68   |  |
|------|------|---|------|---|------|--------|--------|--|
| Y    | U    | Y | U    | Y | U    | Y      | U      |  |
|      |      |   |      |   |      | 0.6800 | 170.13 |  |
|      |      |   |      |   |      | 0.6900 | 143.78 |  |
|      |      |   |      |   |      | 0.7000 | 90.94  |  |
|      |      |   |      |   |      | 0.7100 | 0.00   |  |

TABLE A- 8

ALPHA= 37.12

YC= 0.3150

REC= 10290.0

| X---   | 3.68    |        | 5.68    |        | 7.68    |        | 9.68    |  |
|--------|---------|--------|---------|--------|---------|--------|---------|--|
| Y      | U       | Y      | U       | Y      | U       | Y      | U       |  |
| 0.0600 | 3712.32 | 0.0600 | 3143.15 | 0.0600 | 2640.78 | 0.0600 | 2305.06 |  |
| 0.0700 | 3749.40 | 0.0700 | 3150.13 | 0.0690 | 2635.59 | 0.0730 | 2300.53 |  |
| 0.0800 | 3776.87 | 0.0800 | 3195.74 | 0.0790 | 2635.59 | 0.0830 | 2309.50 |  |
| 0.0900 | 3804.14 | 0.0900 | 3202.20 | 0.0890 | 2659.02 | 0.0930 | 2318.43 |  |
| 0.1000 | 3815.00 | 0.1000 | 3202.20 | 0.0990 | 2705.26 | 0.1030 | 2336.20 |  |
| 0.1100 | 3831.22 | 0.1200 | 3182.77 | 0.1090 | 2720.50 | 0.1130 | 2371.33 |  |
| 0.1200 | 3804.14 | 0.1400 | 3150.13 | 0.1190 | 2728.09 | 0.1230 | 2388.70 |  |
| 0.1300 | 3804.14 | 0.1600 | 3136.98 | 0.1290 | 2735.66 | 0.1330 | 2388.70 |  |
| 0.1400 | 3787.80 | 0.1800 | 3050.10 | 0.1390 | 2735.66 | 0.1430 | 2388.70 |  |
| 0.1500 | 3732.83 | 0.2000 | 3016.02 | 0.1490 | 2735.66 | 0.1530 | 2388.70 |  |
| 0.1600 | 3693.85 | 0.2200 | 2932.61 | 0.1590 | 2735.66 | 0.1630 | 2380.03 |  |
| 0.1700 | 3665.76 | 0.2400 | 2890.00 | 0.1690 | 2728.09 | 0.1730 | 2380.03 |  |
| 0.1800 | 3597.45 | 0.2600 | 2802.85 | 0.1790 | 2728.09 | 0.1930 | 2380.03 |  |
| 0.1900 | 3551.18 | 0.2800 | 2728.09 | 0.1890 | 2712.89 | 0.2130 | 2336.20 |  |
| 0.2000 | 3510.19 | 0.2900 | 2689.94 | 0.1990 | 2689.94 | 0.2430 | 2318.43 |  |
| 0.2100 | 3450.79 | 0.3000 | 2651.23 | 0.2090 | 2666.78 | 0.2730 | 2291.53 |  |
| 0.2200 | 3372.01 | 0.3100 | 2611.95 | 0.2190 | 2651.23 | 0.3030 | 2236.74 |  |
| 0.2300 | 3341.22 | 0.3200 | 2572.07 | 0.2290 | 2635.59 | 0.3330 | 2199.46 |  |
| 0.2400 | 3278.76 | 0.3300 | 2531.56 | 0.2390 | 2619.85 | 0.3630 | 2132.65 |  |
| 0.2500 | 3215.09 | 0.3400 | 2490.40 | 0.2490 | 2588.10 | 0.4030 | 2103.37 |  |
| 0.2600 | 3130.38 | 0.3600 | 2405.95 | 0.2590 | 2572.07 | 0.4430 | 2012.96 |  |
| 0.2700 | 3036.51 | 0.3800 | 2318.43 | 0.2690 | 2564.02 | 0.4630 | 1981.91 |  |
| 0.2800 | 2981.55 | 0.4000 | 2227.48 | 0.2790 | 2539.72 | 0.4930 | 1912.91 |  |
| 0.2900 | 2932.61 | 0.4200 | 2132.65 | 0.2890 | 2506.94 | 0.5230 | 1858.09 |  |
| 0.3000 | 2875.66 | 0.4400 | 2083.62 | 0.2990 | 2490.40 | 0.5530 | 1795.85 |  |
| 0.3100 | 2802.85 | 0.4600 | 1929.05 | 0.3090 | 2473.74 | 0.5830 | 1727.79 |  |
| 0.3200 | 2728.09 | 0.4800 | 1902.07 | 0.3290 | 2405.95 | 0.6330 | 1624.18 |  |
| 0.3300 | 2666.78 | 0.5000 | 1818.73 | 0.3490 | 2371.33 | 0.6830 | 1535.18 |  |
| 0.3400 | 2588.10 | 0.5200 | 1737.34 | 0.3690 | 2318.43 | 0.7230 | 1445.00 |  |
| 0.3500 | 2506.94 | 0.5400 | 1639.38 | 0.3990 | 2227.48 | 0.7630 | 1359.49 |  |
| 0.3600 | 2423.08 | 0.5600 | 1575.07 | 0.4190 | 2190.04 | 0.8030 | 1277.97 |  |

| X--- 3.68 |         | 5.68   |         | 7.68   |         | 9.68   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.3700    | 2362.60 | 0.5800 | 1437.83 | 0.4390 | 2132.65 | 0.8530 | 1185.67 |
| 0.3800    | 2300.53 | 0.6000 | 1364.05 | 0.4590 | 2103.37 | 0.9030 | 1075.97 |
| 0.3900    | 2227.48 | 0.6200 | 1286.04 | 0.4790 | 2033.40 | 0.9430 | 992.00  |
| 0.4000    | 2132.65 | 0.6400 | 1202.98 | 0.4990 | 1984.00 | 0.9730 | 942.85  |
| 0.4100    | 2093.51 | 0.6600 | 1150.26 | 0.5190 | 1916.15 | 1.0030 | 886.34  |
| 0.4200    | 2063.68 | 0.6800 | 1075.97 | 0.5390 | 1852.52 | 1.0330 | 813.36  |
| 0.4300    | 2002.67 | 0.7000 | 1016.70 | 0.5590 | 1795.85 | 1.0630 | 760.83  |
| 0.4400    | 1939.74 | 0.7200 | 931.82  | 0.5790 | 1746.83 | 1.0930 | 716.03  |
| 0.4500    | 1874.70 | 0.7400 | 862.70  | 0.5990 | 1685.39 | 1.1230 | 668.24  |
| 0.4600    | 1790.09 | 0.7600 | 760.83  | 0.6190 | 1613.96 | 1.1630 | 575.13  |
| 0.4700    | 1725.40 | 0.7800 | 643.02  | 0.6390 | 1564.53 | 1.2030 | 506.31  |
| 0.4800    | 1651.94 | 0.8000 | 610.02  | 0.6590 | 1508.01 | 1.2430 | 450.11  |
| 0.4900    | 1561.88 | 0.8200 | 575.13  | 0.6790 | 1447.86 | 1.2830 | 396.38  |
| 0.5000    | 1508.01 | 0.8400 | 537.99  | 0.6990 | 1391.06 | 1.3330 | 287.57  |
| 0.5100    | 1459.24 | 0.8600 | 454.68  | 0.7190 | 1317.79 | 1.3830 | 222.75  |
| 0.5200    | 1408.78 | 0.8800 | 380.41  | 0.7390 | 1279.59 | 1.4330 | 128.60  |
| 0.5300    | 1341.12 | 0.9000 | 340.25  | 0.7590 | 1218.34 | 1.4830 | 0.00    |
| 0.5400    | 1286.04 | 0.9200 | 287.57  | 0.7890 | 1144.86 |        |         |
| 0.5500    | 1220.04 | 0.9400 | 222.75  | 0.8190 | 1050.70 |        |         |
| 0.5600    | 1150.26 | 0.9600 | 181.87  | 0.8490 | 975.18  |        |         |
| 0.5700    | 1075.97 | 0.9800 | 90.94   | 0.8690 | 931.82  |        |         |
| 0.5800    | 1016.70 | 1.0000 | 0.00    | 0.8990 | 845.76  |        |         |
| 0.5900    | 975.18  |        |         | 0.9290 | 752.63  |        |         |
| 0.6000    | 920.66  |        |         | 0.9690 | 674.40  |        |         |
| 0.6100    | 862.70  |        |         | 0.9990 | 592.83  |        |         |
| 0.6200    | 813.36  |        |         | 1.0290 | 498.08  |        |         |
| 0.6300    | 760.83  |        |         | 1.0690 | 436.12  |        |         |
| 0.6400    | 733.15  |        |         | 1.0990 | 352.20  |        |         |
| 0.6500    | 610.02  |        |         | 1.1490 | 240.60  |        |         |
| 0.6600    | 639.79  |        |         | 1.1890 | 143.78  |        |         |
| 0.6700    | 556.87  |        |         | 1.2290 | 0.00    |        |         |
| 0.6800    | 498.08  |        |         |        |         |        |         |
| 0.6900    | 454.68  |        |         |        |         |        |         |
| 0.7000    | 406.68  |        |         |        |         |        |         |
| 0.7100    | 363.75  |        |         |        |         |        |         |
| 0.7200    | 340.25  |        |         |        |         |        |         |
| 0.7300    | 321.51  |        |         |        |         |        |         |
| 0.7400    | 272.81  |        |         |        |         |        |         |
| 0.7500    | 222.75  |        |         |        |         |        |         |
| 0.7600    | 181.87  |        |         |        |         |        |         |
| 0.7700    | 143.78  |        |         |        |         |        |         |
| 0.7800    | 64.30   |        |         |        |         |        |         |
| 0.7900    | 0.00    |        |         |        |         |        |         |

TABLE A- 8

ALPHA= 37.12

YC= 0.3150

REC= 10290.0

| X----- 12.68 |         | 16.68  |         | 20.68  |         | 26.68  |         |
|--------------|---------|--------|---------|--------|---------|--------|---------|
| Y            | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600       | 1878.39 | 0.0600 | 1558.31 | 0.0600 | 1222.44 | 0.0600 | 959.96  |
| C.0650       | 1874.70 | 0.0700 | 1568.49 | 0.0750 | 1220.04 | 0.0960 | 989.91  |
| C.0750       | 1874.70 | 0.0800 | 1588.14 | 0.0950 | 1231.84 | 0.1260 | 1036.83 |
| C.0850       | 1912.91 | 0.0900 | 1607.54 | 0.1250 | 1295.64 | 0.1660 | 1075.97 |
| C.0950       | 1929.05 | 0.1000 | 1613.96 | 0.1550 | 1328.72 | 0.1960 | 1095.02 |
| C.1050       | 1971.45 | 0.1100 | 1620.35 | 0.1850 | 1345.74 | 0.2260 | 1098.79 |
| C.1250       | 2002.67 | 0.1200 | 1620.35 | 0.2150 | 1361.01 | 0.2460 | 1102.55 |
| C.1350       | 2002.67 | 0.1300 | 1620.35 | 0.2550 | 1364.05 | 0.2760 | 1113.74 |
| C.1450       | 2007.82 | 0.1400 | 1621.63 | 0.2950 | 1361.01 | 0.3160 | 1128.49 |
| C.1550       | 2007.82 | 0.1500 | 1622.90 | 0.3250 | 1359.49 | 0.3560 | 1126.66 |
| C.1650       | 2007.82 | 0.1600 | 1624.18 | 0.3650 | 1357.97 | 0.3960 | 1117.45 |
| C.1750       | 2007.82 | 0.1700 | 1626.72 | 0.4250 | 1348.81 | 0.4260 | 1108.16 |
| C.2050       | 2007.82 | 0.1800 | 1629.26 | 0.4750 | 1317.79 | 0.4760 | 1098.79 |
| C.2250       | 2007.82 | 0.1900 | 1633.06 | 0.5250 | 1297.24 | 0.5260 | 1091.24 |
| C.2450       | 1997.50 | 0.2000 | 1633.06 | 0.5750 | 1281.20 | 0.5760 | 1070.19 |
| C.2650       | 1981.91 | 0.2100 | 1633.06 | 0.6250 | 1248.51 | 0.6260 | 1066.32 |
| C.2850       | 1971.45 | 0.2200 | 1626.72 | 0.6750 | 1226.80 | 0.7260 | 1050.70 |
| C.3050       | 1950.37 | 0.2300 | 1624.18 | 0.7250 | 1199.52 | 0.8260 | 1016.70 |
| C.3250       | 1929.05 | 0.2400 | 1620.35 | 0.7750 | 1171.63 | 0.9260 | 975.18  |
| C.3450       | 1818.73 | 0.2500 | 1616.52 | 0.8250 | 1148.47 | 1.0260 | 931.82  |
| C.3650       | 1896.63 | 0.2600 | 1611.40 | 0.8750 | 1113.74 | 1.1260 | 886.34  |
| C.3850       | 1874.70 | 0.2700 | 1607.54 | 0.9250 | 1095.02 | 1.2260 | 838.39  |
| C.4050       | 1852.52 | 0.2800 | 1604.97 | 0.9750 | 1056.59 | 1.3260 | 830.96  |
| C.4250       | 1830.06 | 0.2900 | 1601.10 | 1.0250 | 1036.83 | 1.4260 | 782.26  |
| C.4450       | 1813.04 | 0.3000 | 1598.52 | 1.0750 | 1012.63 | 1.5260 | 747.12  |
| C.4650       | 1784.30 | 0.3100 | 1594.63 | 1.1250 | 975.18  | 1.6260 | 698.50  |
| C.4850       | 1760.98 | 0.3200 | 1590.74 | 1.1750 | 940.05  | 1.7260 | 643.02  |
| C.5050       | 1737.34 | 0.3300 | 1588.14 | 1.2250 | 909.36  | 1.8260 | 610.02  |
| C.5250       | 1707.33 | 0.3400 | 1572.44 | 1.2750 | 879.31  | 1.9260 | 553.14  |
| C.5450       | 1689.07 | 0.3500 | 1568.49 | 1.3250 | 855.48  | 2.0260 | 537.99  |
| C.5650       | 1664.41 | 0.3600 | 1548.59 | 1.3750 | 808.26  | 2.1260 | 498.08  |
| C.5850       | 1639.38 | 0.3700 | 1555.25 | 1.4250 | 787.53  | 2.2260 | 454.68  |
| C.6050       | 1607.54 | 0.3900 | 1541.90 | 1.4750 | 752.63  | 2.3260 | 406.68  |
| C.6250       | 1588.14 | 0.4100 | 1521.66 | 1.5250 | 724.64  | 2.4260 | 352.20  |
| C.6450       | 1561.88 | 0.4300 | 1521.66 | 1.5750 | 674.40  | 2.5260 | 340.25  |
| C.6650       | 1521.66 | 0.4500 | 1508.01 | 1.6250 | 649.42  | 2.6260 | 301.60  |
| C.6850       | 1508.01 | 0.4700 | 1494.24 | 1.6750 | 626.74  | 2.7260 | 280.28  |
| C.7050       | 1473.34 | 0.4900 | 1487.30 | 1.7250 | 585.82  | 2.8260 | 203.34  |
| C.7550       | 1394.03 | 0.5100 | 1480.34 | 1.7750 | 564.25  | 2.9260 | 181.87  |
| C.8050       | 1341.12 | 0.5300 | 1466.31 | 1.8250 | 537.99  | 3.0260 | 90.94   |
| C.8550       | 1269.86 | 0.5500 | 1445.00 | 1.8750 | 506.31  | 3.0760 | 0.00    |
| C.9050       | 1202.98 | 0.5700 | 1430.62 | 1.9250 | 476.87  |        |         |
| C.9550       | 1141.24 | 0.5900 | 1408.78 | 1.9750 | 436.12  |        |         |

| X--- 12.68 |         | 16.68  |         | 20.68  |        | 26.68 |   |
|------------|---------|--------|---------|--------|--------|-------|---|
| Y          | U       | Y      | U       | Y      | U      | Y     | U |
| 1.0050     | 1056.59 | 0.6100 | 1394.03 | 2.0250 | 396.38 |       |   |
| 1.0550     | 996.16  | 0.6500 | 1379.12 | 2.0750 | 352.20 |       |   |
| 1.1050     | 931.82  | 0.6700 | 1348.81 | 2.1750 | 287.57 |       |   |
| 1.1550     | 874.60  | 0.6900 | 1325.61 | 2.2750 | 249.04 |       |   |
| 1.2050     | 813.36  | 0.7100 | 1309.93 | 2.3750 | 192.91 |       |   |
| 1.2650     | 733.15  | 0.7300 | 1294.05 | 2.4750 | 0.00   |       |   |
| 1.3050     | 674.40  | 0.7500 | 1286.04 |        |        |       |   |
| 1.3550     | 610.02  | 0.7700 | 1269.86 |        |        |       |   |
| 1.4050     | 556.87  | 0.8200 | 1220.04 |        |        |       |   |
| 1.4550     | 498.08  | 0.8700 | 1185.67 |        |        |       |   |
| 1.5050     | 454.68  | 0.9200 | 1132.15 |        |        |       |   |
| 1.5550     | 396.38  | 0.9700 | 1095.02 |        |        |       |   |
| 1.6050     | 352.20  | 1.0200 | 1056.59 |        |        |       |   |
| 1.6550     | 301.60  | 1.0700 | 1016.70 |        |        |       |   |
| 1.7050     | 249.04  | 1.1200 | 975.18  |        |        |       |   |
| 1.7550     | 203.34  | 1.1700 | 931.82  |        |        |       |   |
| 1.8050     | 181.87  | 1.2200 | 897.93  |        |        |       |   |
| 1.8550     | 143.78  | 1.2700 | 862.70  |        |        |       |   |
| 1.9050     | 111.37  | 1.3200 | 813.36  |        |        |       |   |
| 1.9550     | 64.30   | 1.3700 | 760.83  |        |        |       |   |
| 2.0050     | 0.00    | 1.4200 | 718.92  |        |        |       |   |
|            |         | 1.4700 | 689.56  |        |        |       |   |
|            |         | 1.5200 | 610.02  |        |        |       |   |
|            |         | 1.5700 | 575.13  |        |        |       |   |
|            |         | 1.6200 | 556.87  |        |        |       |   |
|            |         | 1.6700 | 518.42  |        |        |       |   |
|            |         | 1.7200 | 498.08  |        |        |       |   |
|            |         | 1.7700 | 454.68  |        |        |       |   |
|            |         | 1.8200 | 416.72  |        |        |       |   |
|            |         | 1.8700 | 396.38  |        |        |       |   |
|            |         | 1.9200 | 352.20  |        |        |       |   |
|            |         | 1.9700 | 321.51  |        |        |       |   |
|            |         | 2.0200 | 287.57  |        |        |       |   |
|            |         | 2.0700 | 272.81  |        |        |       |   |
|            |         | 2.1200 | 249.04  |        |        |       |   |
|            |         | 2.1700 | 240.60  |        |        |       |   |
|            |         | 2.2200 | 192.91  |        |        |       |   |
|            |         | 2.2700 | 181.87  |        |        |       |   |
|            |         | 2.3200 | 170.13  |        |        |       |   |
|            |         | 2.3700 | 157.51  |        |        |       |   |
|            |         | 2.4200 | 157.51  |        |        |       |   |
|            |         | 2.4700 | 157.51  |        |        |       |   |
|            |         | 2.5200 | 157.51  |        |        |       |   |
|            |         | 2.5700 | 157.51  |        |        |       |   |

A=42

TABLE A= 8

ALPHA= 57-12

YC= 0.5150

REC= 10290.0

λ=32.68

| Y      | U      |
|--------|--------|
| 0.0600 | 739.08 |
| 0.1040 | 843.31 |
| 0.1440 | 884.00 |
| 0.1940 | 909.36 |
| 0.2440 | 916.16 |
| 0.2840 | 911.82 |
| 0.3840 | 911.82 |
| 0.4840 | 925.14 |
| 0.5840 | 911.63 |
| 0.6840 | 886.34 |
| 0.7840 | 879.31 |
| 0.9840 | 833.39 |
| 1.2840 | 733.15 |
| 1.5840 | 680.51 |
| 1.8840 | 599.77 |
| 2.0840 | 534.13 |
| 2.2840 | 485.47 |
| 2.4840 | 466.68 |
| 2.6840 | 352.20 |
| 2.8840 | 207.57 |
| 3.0840 | 265.12 |
| 3.2840 | 263.34 |
| 3.4840 | 90.94  |
| 3.6840 | 0.00   |

TABLE A- 9

ALPHA= 37.12

YC= 0.6210

REC= 18270.0

| X=--- 0.00 |         | 1.13   |         | 3.13   |         | 5.11   |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600     | 3587.22 | 0.0600 | 3684.26 | 0.0600 | 3540.63 | 0.0600 | 3439.53 |
| C.0700     | 3551.18 | 0.0710 | 3682.64 | 0.0700 | 3533.67 | 0.0650 | 3432.77 |
| C.0800     | 3608.93 | 0.0810 | 3682.64 | 0.0800 | 3533.67 | 0.0750 | 3432.77 |
| C.0900     | 3693.85 | 0.0910 | 3765.91 | 0.1000 | 3626.07 | 0.0850 | 3432.77 |
| C.1000     | 3831.22 | 0.1010 | 3874.15 | 0.1200 | 3804.14 | 0.0950 | 3432.77 |
| C.1100     | 3937.66 | 0.1110 | 3942.91 | 0.1300 | 3868.81 | 0.1050 | 3462.76 |
| C.1200     | 4015.64 | 0.1210 | 4015.64 | 0.1400 | 3927.15 | 0.1150 | 3580.17 |
| C.1300     | 4092.14 | 0.1310 | 4102.23 | 0.1600 | 4056.62 | 0.1250 | 3637.46 |
| C.1400     | 4191.96 | 0.1410 | 4182.09 | 0.1800 | 4157.30 | 0.1350 | 3693.85 |
| C.1500     | 4265.30 | 0.1510 | 4250.73 | 0.2000 | 4226.34 | 0.1450 | 3749.40 |
| C.1600     | 4313.49 | 0.1610 | 4289.46 | 0.2200 | 4265.30 | 0.1550 | 3787.80 |
| C.1700     | 4361.16 | 0.1710 | 4346.91 | 0.2400 | 4274.98 | 0.1650 | 3804.14 |
| C.1800     | 4384.80 | 0.1810 | 4370.63 | 0.2600 | 4255.59 | 0.1750 | 3804.14 |
| C.1900     | 4408.31 | 0.1910 | 4394.22 | 0.2800 | 4250.73 | 0.1850 | 3842.00 |
| C.2000     | 4398.92 | 0.2010 | 4417.68 | 0.3000 | 4191.96 | 0.1950 | 3847.37 |
| C.2100     | 4398.92 | 0.2110 | 4422.35 | 0.3200 | 4117.32 | 0.2050 | 3868.81 |
| C.2200     | 4398.92 | 0.2210 | 4422.35 | 0.3400 | 4025.93 | 0.2150 | 3884.81 |
| C.2300     | 4398.92 | 0.2310 | 4427.03 | 0.3600 | 3895.43 | 0.2250 | 3884.81 |
| C.2400     | 4384.80 | 0.2510 | 4417.68 | 0.3800 | 3787.80 | 0.2350 | 3884.81 |
| C.2500     | 4380.08 | 0.2710 | 4398.92 | 0.4000 | 3677.03 | 0.2450 | 3858.11 |
| C.2600     | 4370.63 | 0.2910 | 4375.36 | 0.4200 | 3527.82 | 0.2550 | 3831.22 |
| C.2700     | 4361.16 | 0.3110 | 4337.39 | 0.4400 | 3402.53 | 0.2650 | 3815.00 |
| C.2800     | 4361.16 | 0.3310 | 4303.90 | 0.4600 | 3234.32 | 0.2750 | 3793.26 |
| C.3000     | 4351.67 | 0.3510 | 4255.59 | 0.4800 | 3090.50 | 0.2850 | 3749.40 |
| C.3200     | 4337.39 | 0.3710 | 4187.03 | 0.5000 | 2960.68 | 0.2950 | 3721.73 |
| C.3400     | 4313.49 | 0.3910 | 4107.27 | 0.5200 | 2854.01 | 0.3050 | 3705.03 |
| C.3600     | 4289.46 | 0.4110 | 4025.93 | 0.5400 | 2728.09 | 0.3150 | 3665.76 |
| C.3800     | 4265.30 | 0.4310 | 3900.74 | 0.5600 | 2547.84 | 0.3250 | 3637.46 |
| C.4000     | 4216.55 | 0.4610 | 3682.64 | 0.5800 | 2291.53 | 0.3350 | 3608.93 |
| C.4200     | 4152.32 | 0.4910 | 3474.68 | 0.6000 | 2255.15 | 0.3450 | 3580.17 |
| C.4400     | 4066.80 | 0.5210 | 3195.74 | 0.6200 | 2132.65 | 0.3550 | 3551.18 |
| C.4600     | 3963.83 | 0.5510 | 2875.66 | 0.6400 | 1999.57 | 0.3650 | 3492.48 |
| C.4800     | 3858.11 | 0.5810 | 3259.79 | 0.6600 | 1852.52 | 0.3750 | 3432.77 |
| C.5000     | 3721.73 | 0.6110 | 2227.48 | 0.6800 | 1724.20 | 0.3850 | 3353.57 |
| 0.5200     | 3551.18 | 0.6410 | 1827.80 | 0.7000 | 1590.74 | 0.4050 | 3278.76 |
| 0.5400     | 3341.22 | 0.6510 | 1703.69 | 0.7200 | 1470.53 | 0.4250 | 3215.09 |
| C.5600     | 3150.13 | 0.6610 | 1598.52 | 0.7400 | 1348.81 | 0.4450 | 3083.80 |
| 0.5800     | 3016.02 | 0.6710 | 1510.75 | 0.7600 | 1214.95 | 0.4650 | 3016.02 |
| C.6000     | 2802.85 | 0.6910 | 1289.25 | 0.7800 | 958.07  | 0.4850 | 2875.66 |
| 0.6200     | 2572.07 | 0.7110 | 1056.59 | 0.8000 | 992.00  | 0.5050 | 2802.85 |
|            |         | 0.7210 | 936.25  | 0.8200 | 893.31  | 0.5250 | 2689.94 |
|            |         | 0.7410 | 704.39  | 0.8400 | 792.77  | 0.5450 | 2572.07 |
|            |         | 0.7510 | 599.77  | 0.8600 | 652.59  | 0.5650 | 2448.54 |

| X=0.00 |   | 1.13   |        | 3.13   |        | 5.13   |         |
|--------|---|--------|--------|--------|--------|--------|---------|
| Y      | U | Y      | U      | Y      | U      | Y      | U       |
|        |   | 0.7610 | 502.21 | 0.8800 | 545.62 | 0.5850 | 2218.43 |
|        |   | 0.7810 | 334.12 | 0.9000 | 481.19 | 0.6050 | 2227.46 |
|        |   | 0.8010 | 192.91 | 0.9200 | 352.20 | 0.6250 | 2132.65 |
|        |   | 0.8210 | 0.00   | 0.9400 | 287.57 | 0.6450 | 2068.68 |
|        |   |        |        | 0.9600 | 170.13 | 0.6650 | 2122.93 |
|        |   |        |        | 0.9800 | 64.30  | 0.6850 | 2113.17 |
|        |   |        |        | 0.9900 | 0.00   | 0.7050 | 1760.98 |
|        |   |        |        |        |        | 0.7250 | 1676.78 |
|        |   |        |        |        |        | 0.7450 | 1588.14 |
|        |   |        |        |        |        | 0.7650 | 1494.24 |
|        |   |        |        |        |        | 0.7850 | 1408.78 |
|        |   |        |        |        |        | 0.8050 | 1317.79 |
|        |   |        |        |        |        | 0.8250 | 1220.04 |
|        |   |        |        |        |        | 0.8450 | 1132.15 |
|        |   |        |        |        |        | 0.8650 | 1056.59 |
|        |   |        |        |        |        | 0.8850 | 931.82  |
|        |   |        |        |        |        | 0.9050 | 874.60  |
|        |   |        |        |        |        | 0.9250 | 787.53  |
|        |   |        |        |        |        | 0.9450 | 733.15  |
|        |   |        |        |        |        | 0.9650 | 610.02  |
|        |   |        |        |        |        | 0.9850 | 575.13  |
|        |   |        |        |        |        | 1.0050 | 537.99  |
|        |   |        |        |        |        | 1.0250 | 454.68  |
|        |   |        |        |        |        | 1.0450 | 352.20  |
|        |   |        |        |        |        | 1.0650 | 287.57  |
|        |   |        |        |        |        | 1.0850 | 203.34  |
|        |   |        |        |        |        | 1.1050 | 143.78  |
|        |   |        |        |        |        | 1.1250 | 90.94   |
|        |   |        |        |        |        | 1.1450 | 0.00    |

TABLE A- 9

ALPHA= 37.12

YC= 0.6210

REC= 18270.0

| X=7.13 |         | 10.13  |         | 13.13  |         | 17.13  |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Y      | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600 | 3123.28 | 0.0600 | 2656.45 | 0.0600 | 2203.79 | 0.0600 | 1785.49 |
| 0.0700 | 3130.38 | 0.0700 | 2651.23 | 0.0710 | 2199.46 | 0.0780 | 1781.98 |
| 0.0800 | 3130.38 | 0.0800 | 2674.52 | 0.0830 | 2227.48 | 0.0980 | 1805.04 |
| 0.0900 | 3150.13 | 0.0900 | 2689.94 | 0.0910 | 2245.96 | 0.1180 | 1850.28 |
| 0.1000 | 3215.09 | 0.1000 | 2712.89 | 0.1010 | 2282.49 | 0.1380 | 1885.70 |
| 0.1100 | 3247.08 | 0.1100 | 2728.09 | 0.1110 | 2291.53 | 0.1680 | 1923.69 |
| 0.1200 | 3278.76 | 0.1200 | 2765.72 | 0.1210 | 2309.50 | 0.1980 | 1947.19 |
| 0.1300 | 3322.60 | 0.1300 | 2765.72 | 0.1310 | 2318.43 | 0.2280 | 1957.77 |



| X--- 7.13 |         | 10.13  |         | 13.13  |         | 17.13  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| C.1400    | 3341.22 | 0.1400 | 2780.63 | 0.1510 | 2336.20 | 0.2680 | 1959.89 |
| C.1500    | 3353.57 | 0.1500 | 2780.63 | 0.1710 | 2353.83 | 0.3180 | 1964.10 |
| C.1600    | 3372.01 | 0.1600 | 2802.85 | 0.1910 | 2353.83 | 0.3480 | 1953.55 |
| C.1700    | 3390.36 | 0.1700 | 2802.85 | 0.2110 | 2353.83 | 0.3880 | 1936.54 |
| C.1800    | 3402.53 | 0.1800 | 2802.85 | 0.2310 | 2353.83 | 0.4180 | 1923.69 |
| C.1900    | 3372.01 | 0.1900 | 2802.85 | 0.2510 | 2362.60 | 0.4580 | 1909.66 |
| C.2000    | 3402.53 | 0.2100 | 2802.85 | 0.2710 | 2362.60 | 0.5180 | 1874.70 |
| C.2100    | 3402.53 | 0.2400 | 2780.63 | 0.2910 | 2353.83 | 0.5680 | 1846.93 |
| C.2200    | 3390.36 | 0.2600 | 2765.72 | 0.3110 | 2318.43 | 0.6180 | 1813.04 |
| C.2300    | 3372.01 | 0.2800 | 2743.21 | 0.3310 | 2309.50 | 0.6680 | 1770.34 |
| C.2400    | 3372.01 | 0.3000 | 2728.09 | 0.3510 | 2300.53 | 0.7180 | 1734.96 |
| C.2500    | 3353.57 | 0.3200 | 2712.89 | 0.3710 | 2291.53 | 0.7680 | 1692.74 |
| C.2600    | 3341.22 | 0.3500 | 2651.23 | 0.4010 | 2273.41 | 0.8180 | 1639.38 |
| C.2700    | 3328.82 | 0.3800 | 2611.95 | 0.4310 | 2227.48 | 0.8680 | 1601.10 |
| C.2800    | 3322.60 | 0.4100 | 2572.07 | 0.4610 | 2199.46 | 0.9180 | 1552.59 |
| C.3000    | 3278.76 | 0.4400 | 2506.94 | 0.5010 | 2151.95 | 0.9680 | 1508.01 |
| C.3200    | 3215.09 | 0.4700 | 2440.08 | 0.5410 | 2113.17 | 1.0180 | 1463.48 |
| C.3400    | 3163.23 | 0.5000 | 2405.95 | 0.5810 | 2093.51 | 1.0680 | 1423.38 |
| C.3600    | 3117.14 | 0.5300 | 2362.60 | 0.6210 | 2033.40 | 1.1180 | 1364.05 |
| C.3800    | 3050.10 | 0.5600 | 2273.41 | 0.6810 | 1936.54 | 1.1680 | 1317.79 |
| C.4000    | 3002.28 | 0.5900 | 2208.84 | 0.7210 | 1887.89 | 1.2180 | 1269.86 |
| C.4200    | 2946.68 | 0.6200 | 2151.95 | 0.7610 | 1830.06 | 1.2680 | 1223.42 |
| C.4400    | 2911.39 | 0.6500 | 2093.51 | 0.8010 | 1769.18 | 1.3180 | 1168.10 |
| C.4600    | 2802.85 | 0.6800 | 2053.63 | 0.8410 | 1716.99 | 1.3680 | 1128.49 |
| C.4800    | 2743.21 | 0.7100 | 1981.91 | 0.8810 | 1641.90 | 1.4180 | 1091.24 |
| C.5000    | 2666.78 | 0.7400 | 1912.91 | 0.9210 | 1588.14 | 1.4680 | 1030.84 |
| C.5200    | 2611.95 | 0.7700 | 1835.70 | 0.9610 | 1514.85 | 1.5180 | 968.80  |
| C.5400    | 2506.94 | 0.8000 | 1784.30 | 1.0010 | 1473.34 | 1.5680 | 931.82  |
| C.5600    | 2423.08 | 0.8300 | 1725.40 | 1.0410 | 1408.78 | 1.6180 | 886.34  |
| C.5800    | 2362.60 | 0.8700 | 1613.96 | 1.0810 | 1348.81 | 1.6680 | 848.20  |
| C.6000    | 2388.70 | 0.9000 | 1555.25 | 1.1210 | 1282.82 | 1.7180 | 792.77  |
| C.6200    | 2405.95 | 0.9300 | 1480.34 | 1.1610 | 1202.98 | 1.7680 | 747.12  |
| C.6400    | 2132.65 | 0.9600 | 1423.38 | 1.2010 | 1161.00 | 1.8180 | 689.56  |
| C.6900    | 1929.05 | 0.9900 | 1341.12 | 1.2610 | 1064.38 | 1.8680 | 643.02  |
| C.7400    | 1795.85 | 1.0200 | 1286.04 | 1.3010 | 1002.37 | 1.9180 | 610.02  |
| C.7900    | 1601.10 | 1.0500 | 1202.98 | 1.3410 | 942.85  | 1.9680 | 564.25  |
| C.8400    | 1437.83 | 1.0800 | 1141.24 | 1.3910 | 862.70  | 2.0180 | 498.08  |
| C.8900    | 1333.39 | 1.1100 | 1075.97 | 1.4410 | 805.70  | 2.0680 | 454.68  |
| C.9400    | 1085.54 | 1.1400 | 1016.70 | 1.4910 | 733.15  | 2.1180 | 406.68  |
| C.9900    | 909.36  | 1.1700 | 931.82  | 1.5410 | 643.02  | 2.1680 | 352.20  |
| 1.0400    | 755.37  | 1.2000 | 886.34  | 1.6410 | 526.33  | 2.2180 | 1095.02 |
| 1.0900    | 643.02  | 1.2300 | 813.36  | 1.7410 | 363.75  | 2.2680 | 287.57  |
| 1.1400    | 454.68  | 1.2600 | 747.12  | 1.8410 | 203.34  | 2.3180 | 203.34  |
| 1.1900    | 340.25  | 1.2900 | 689.56  | 1.9410 | 0.00    | 2.3680 | 192.91  |
| 1.2400    | 143.78  | 1.3200 | 610.02  |        |         | 2.4680 | 0.00    |
| 1.2600    | 0.00    | 1.3500 | 575.13  |        |         |        |         |
|           |         | 1.3800 | 498.08  |        |         |        |         |

A-46

| X---- | 7.13 |        | 10.13  |   | 13.13 |   | 17.13 |  |
|-------|------|--------|--------|---|-------|---|-------|--|
| Y     | U    | Y      | U      | Y | U     | Y | U     |  |
|       |      | 1.4100 | 454.68 |   |       |   |       |  |
|       |      | 1.4400 | 380.41 |   |       |   |       |  |
|       |      | 1.4700 | 301.60 |   |       |   |       |  |
|       |      | 1.5000 | 249.04 |   |       |   |       |  |
|       |      | 1.5300 | 181.87 |   |       |   |       |  |
|       |      | 1.5600 | 64.30  |   |       |   |       |  |
|       |      | 1.5700 | 64.30  |   |       |   |       |  |
|       |      | 1.5800 | 0.00   |   |       |   |       |  |

TABLE A- 9

ALPHA= 37.12

YC= 0.6210

REC= 18270.0

| X----  | 22.13   |        | 27.13   |        | 33.13   |        | 39.13  |  |
|--------|---------|--------|---------|--------|---------|--------|--------|--|
| Y      | U       | Y      | U       | Y      | U       | Y      | U      |  |
| C.0600 | 1426.18 | 0.0600 | 1147.11 | 0.0600 | 944.70  | 0.0600 | 789.08 |  |
| C.0700 | 1430.62 | 0.0750 | 1176.92 | 0.0800 | 975.18  | 0.0850 | 818.43 |  |
| C.0800 | 1437.83 | 0.1000 | 1220.04 | 0.1100 | 1036.83 | 0.1250 | 874.60 |  |
| C.1000 | 1501.14 | 0.1400 | 1245.20 | 0.1300 | 1056.59 | 0.1750 | 909.36 |  |
| C.1300 | 1528.44 | 0.1800 | 1289.25 | 0.1800 | 1089.34 | 0.2250 | 920.66 |  |
| C.1500 | 1548.59 | 0.2200 | 1309.93 | 0.2300 | 1113.74 | 0.2750 | 927.37 |  |
| C.1700 | 1555.25 | 0.2400 | 1320.93 | 0.2800 | 1113.74 | 0.3250 | 936.25 |  |
| C.1900 | 1564.53 | 0.2600 | 1325.61 | 0.3300 | 1110.02 | 0.3750 | 958.07 |  |
| C.2200 | 1575.07 | 0.2800 | 1328.73 | 0.3800 | 1113.74 | 0.4250 | 975.18 |  |
| C.2400 | 1581.61 | 0.3000 | 1336.49 | 0.4300 | 1122.98 | 0.4750 | 970.94 |  |
| C.2600 | 1581.61 | 0.3200 | 1333.39 | 0.4800 | 1126.66 | 0.5250 | 970.94 |  |
| C.2800 | 1584.23 | 0.3400 | 1333.39 | 0.5300 | 1126.66 | 0.6250 | 970.94 |  |
| C.3000 | 1588.14 | 0.3900 | 1325.61 | 0.5800 | 1126.66 | 0.7250 | 947.22 |  |
| C.3200 | 1590.74 | 0.4400 | 1324.05 | 0.6300 | 1122.98 | 0.8250 | 942.85 |  |
| C.3400 | 1594.63 | 0.4900 | 1320.93 | 0.6800 | 1113.74 | 0.9250 | 931.82 |  |
| C.3800 | 1584.23 | 0.5400 | 1317.79 | 0.7300 | 1110.02 | 1.0250 | 929.60 |  |
| C.4000 | 1581.61 | 0.5900 | 1309.93 | 0.7800 | 1083.63 | 1.1250 | 911.63 |  |
| C.4400 | 1575.07 | 0.6400 | 1302.01 | 0.8300 | 1066.32 | 1.2250 | 902.52 |  |
| C.4900 | 1568.49 | 0.6900 | 1286.04 | 0.8800 | 1062.44 | 1.3250 | 886.34 |  |
| C.5400 | 1541.90 | 0.7400 | 1273.11 | 0.9300 | 1060.49 | 1.4250 | 862.70 |  |
| C.5900 | 1508.01 | 0.7900 | 1253.47 | 0.9800 | 1054.63 | 1.5250 | 857.89 |  |
| C.6400 | 1494.24 | 0.8400 | 1245.20 | 1.0300 | 1046.76 | 1.6250 | 833.45 |  |
| C.6900 | 1487.30 | 0.8900 | 1220.04 | 1.0800 | 1032.84 | 1.7250 | 808.26 |  |
| C.7400 | 1452.14 | 0.9400 | 1194.35 | 1.1300 | 1016.70 | 1.8250 | 787.53 |  |
| C.7900 | 1430.62 | 0.9900 | 1159.22 | 1.1800 | 1012.63 | 1.9250 | 755.37 |  |
| C.8400 | 1423.38 | 1.0400 | 1146.66 | 1.2300 | 1006.48 | 2.0250 | 744.35 |  |
| C.8900 | 1386.59 | 1.0900 | 1133.97 | 1.3300 | 985.73  | 2.1250 | 724.64 |  |

| X----- 22.13 |         | 27.13  |         | 33.13  |        | 39.13  |         |
|--------------|---------|--------|---------|--------|--------|--------|---------|
| Y            | U       | Y      | U       | Y      | U      | Y      | U       |
| C.9400       | 1364.05 | 1.1400 | 1122.98 | 1.4300 | 953.75 | 2.2250 | 698.50  |
| C.9900       | 1341.12 | 1.1900 | 1253.47 | 1.5300 | 920.66 | 2.3250 | 674.40  |
| 1.0400       | 1325.61 | 1.2400 | 1066.32 | 1.6300 | 886.34 | 2.4250 | 665.14  |
| 1.0900       | 1277.97 | 1.2900 | 1046.76 | 1.7300 | 862.70 | 2.5250 | 633.30  |
| 1.1400       | 1159.22 | 1.3400 | 1026.82 | 1.8300 | 830.96 | 2.6250 | 610.02  |
| 1.1900       | 1220.04 | 1.3900 | 1006.48 | 1.9300 | 800.55 | 2.7250 | 603.20  |
| 1.2400       | 1194.35 | 1.4400 | 985.73  | 2.0300 | 776.96 | 2.8250 | 575.13  |
| 1.2900       | 1159.22 | 1.4900 | 973.06  | 2.1300 | 755.37 | 2.9250 | 537.99  |
| 1.3400       | 1132.15 | 1.5400 | 964.53  | 2.2300 | 716.92 | 3.0250 | 522.39  |
| 1.3900       | 1104.42 | 1.5900 | 955.91  | 2.3300 | 689.56 | 3.1250 | 498.08  |
| 1.4400       | 1062.44 | 1.6400 | 904.81  | 2.4300 | 665.14 | 3.2250 | 454.68  |
| 1.4900       | 1036.83 | 1.6900 | 886.34  | 2.5300 | 643.02 | 3.3250 | 445.50  |
| 1.5400       | 996.16  | 1.7400 | 867.48  | 2.6300 | 603.20 | 3.5250 | 1253.47 |
| 1.5900       | 964.53  | 1.7900 | 838.39  | 2.7300 | 556.87 | 3.6250 | 380.41  |
| 1.6400       | 942.85  | 1.8400 | 825.97  | 2.8300 | 537.99 | 3.9250 | 301.60  |
| 1.6900       | 931.82  | 1.8900 | 805.70  | 2.9300 | 518.42 | 4.1250 | 280.28  |
| 1.7400       | 874.60  | 1.9400 | 787.53  | 3.0300 | 485.47 | 4.4250 | 170.13  |
| 1.7900       | 850.63  | 1.9900 | 774.30  | 3.1300 | 445.50 | 4.6250 | 90.94   |
| 1.8400       | 825.97  | 2.0400 | 747.12  | 3.2300 | 406.68 | 4.8250 | 0.00    |
| 1.8900       | 792.77  | 2.0900 | 707.32  | 3.3300 | 380.41 |        |         |
| 1.9400       | 760.83  | 2.1400 | 674.40  | 3.4300 | 363.75 |        |         |
| 1.9900       | 738.77  | 2.1900 | 658.90  | 3.5300 | 352.20 |        |         |
| 2.0400       | 718.92  | 2.2400 | 643.02  | 3.6300 | 321.51 |        |         |
| 2.0900       | 674.40  | 2.2900 | 626.74  | 3.7300 | 272.81 |        |         |
| 2.1400       | 643.02  | 2.3400 | 610.02  | 3.8300 | 249.04 |        |         |
| 2.1900       | 616.76  | 2.3900 | 575.13  | 3.9300 | 222.75 |        |         |
| 2.2400       | 592.83  | 2.4400 | 537.99  | 4.0300 | 192.91 |        |         |
| 2.2900       | 556.87  | 2.4900 | 518.42  | 4.1300 | 170.13 |        |         |
| 2.3400       | 518.42  | 2.5400 | 498.08  | 4.2300 | 128.60 |        |         |
| 2.3900       | 498.08  | 2.5900 | 485.47  | 4.3300 | 90.94  |        |         |
| 2.4400       | 463.69  | 2.6400 | 476.87  | 4.4300 | 0.00   |        |         |
| 2.4900       | 485.47  | 2.7400 | 454.68  |        |        |        |         |
| 2.5400       | 416.72  | 2.8400 | 406.68  |        |        |        |         |
| 2.5900       | 396.38  | 2.9400 | 363.75  |        |        |        |         |
| 2.6400       | 369.39  | 3.0400 | 308.38  |        |        |        |         |
| 2.6900       | 352.20  | 3.1400 | 249.04  |        |        |        |         |
| 2.7400       | 321.51  | 3.2400 | 231.84  |        |        |        |         |
| 2.8400       | 249.04  | 3.3400 | 222.75  |        |        |        |         |
| 2.9400       | 222.75  | 3.4400 | 143.78  |        |        |        |         |
| 3.0400       | 170.13  | 3.5400 | 90.94   |        |        |        |         |
| 3.1400       | 90.94   | 3.5900 | 0.00    |        |        |        |         |
| 3.2400       | 0.00    |        |         |        |        |        |         |

TABLE A-10

ALPHA= 37.12

YC= 1.2649

REC= 31330.0

| X--- 0.00 |         | 1.05   |         | 5.05   |         | 9.05   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600    | 3234.28 | 0.0600 | 3021.96 | 0.0600 | 2966.50 | 0.0600 | 2695.23 |
| 0.0680    | 3227.92 | 0.0740 | 3043.31 | 0.0810 | 2932.61 | 0.0700 | 2689.94 |
| 0.0780    | 3227.92 | 0.1040 | 3136.98 | 0.1010 | 3029.70 | 0.0800 | 2689.94 |
| 0.0880    | 3234.32 | 0.1240 | 3328.82 | 0.1210 | 3130.38 | 0.1000 | 2712.89 |
| 0.0980    | 3234.32 | 0.1540 | 3474.68 | 0.1410 | 3215.09 | 0.1300 | 2765.72 |
| 0.1180    | 3450.79 | 0.1840 | 3591.70 | 0.1610 | 3322.60 | 0.1600 | 2875.66 |
| 0.1280    | 3492.48 | 0.2140 | 3648.81 | 0.1810 | 3372.01 | 0.1800 | 2925.55 |
| 0.1380    | 3504.30 | 0.2440 | 3716.17 | 0.2010 | 3402.53 | 0.2000 | 2939.65 |
| 0.1480    | 3580.17 | 0.2840 | 3738.36 | 0.2310 | 3444.80 | 0.2200 | 2960.68 |
| 0.1680    | 3637.46 | 0.3140 | 3682.64 | 0.2610 | 3432.77 | 0.2400 | 2967.65 |
| 0.1880    | 3677.03 | 0.3540 | 3626.07 | 0.2910 | 3420.71 | 0.2600 | 2981.55 |
| 0.2080    | 3693.85 | 0.3840 | 3585.94 | 0.3310 | 3390.36 | 0.3000 | 2946.68 |
| 0.2280    | 3710.61 | 0.4140 | 3551.18 | 0.3610 | 3240.71 | 0.3400 | 2911.39 |
| 0.2580    | 3705.03 | 0.4540 | 3474.68 | 0.3910 | 3234.32 | 0.3900 | 2861.25 |
| 0.2880    | 3693.85 | 0.4940 | 3390.36 | 0.4310 | 3130.38 | 0.4400 | 2720.50 |
| 0.3280    | 3626.07 | 0.5240 | 3310.14 | 0.4710 | 3029.70 | 0.4900 | 2651.23 |
| 0.3680    | 3580.17 | 0.5540 | 3247.08 | 0.5010 | 2967.65 | 0.5400 | 2611.95 |
| 0.3980    | 3521.95 | 0.5840 | 3163.23 | 0.5310 | 2904.28 | 0.5900 | 2448.54 |
| 0.4380    | 3486.56 | 0.6140 | 3103.85 | 0.5610 | 2780.63 | 0.6400 | 2336.20 |
| 0.4680    | 3462.76 | 0.6540 | 2995.39 | 0.5910 | 2689.94 | 0.6900 | 2227.48 |
| 0.5080    | 3372.01 | 0.6840 | 2960.68 | 0.6210 | 2604.02 | 0.7400 | 2132.65 |
| 0.5480    | 3272.45 | 0.7240 | 2824.89 | 0.6510 | 2547.84 | 0.7900 | 2033.40 |
| 0.5980    | 3202.20 | 0.7640 | 2712.89 | 0.6810 | 2448.54 | 0.8400 | 1939.74 |
| 0.6480    | 3063.63 | 0.8040 | 2588.10 | 0.7110 | 2336.20 | 0.8900 | 1830.06 |
| 0.6980    | 2995.39 | 0.8440 | 2465.37 | 0.7410 | 2227.48 | 0.9400 | 1713.37 |
| 0.7380    | 2875.66 | 0.8840 | 2318.43 | 0.7710 | 2180.58 | 0.9900 | 1601.10 |
| 0.7780    | 2765.72 | 0.9140 | 2245.96 | 0.8010 | 2113.17 | 1.0400 | 1508.01 |
| 0.8180    | 2611.95 | 0.9440 | 2122.93 | 0.8310 | 2028.31 | 1.0900 | 1437.83 |
| 0.8480    | 3240.71 | 0.9840 | 2018.09 | 0.8710 | 1918.31 | 1.1400 | 1302.01 |
| 0.8780    | 3169.76 | 1.0040 | 1950.37 | 0.9010 | 1830.06 | 1.1900 | 1202.98 |
| 0.9180    | 2273.41 | 1.0240 | 1863.64 | 0.9310 | 1725.40 | 1.2400 | 1122.98 |
| 0.9380    | 2208.84 | 1.0540 | 1758.63 | 0.9610 | 1664.41 | 1.2900 | 953.75  |
| 0.9680    | 2122.93 | 1.0740 | 1685.39 | 0.9910 | 1581.61 | 1.3400 | 942.85  |
| 1.0080    | 1992.32 | 1.1140 | 1548.59 | 1.0210 | 1494.24 | 1.3900 | 862.70  |
| 1.0380    | 1872.50 | 1.1440 | 1413.18 | 1.0510 | 1389.57 | 1.4400 | 787.53  |
| 1.0680    | 1772.68 | 1.1740 | 1313.08 | 1.1010 | 1294.05 | 1.4900 | 718.92  |
| 1.0980    | 1676.78 | 1.2040 | 1202.98 | 1.1310 | 1220.04 | 1.5400 | 643.02  |
| 1.1380    | 1521.66 | 1.2440 | 1032.84 | 1.1610 | 1150.26 | 1.5900 | 537.99  |
| 1.1780    | 1401.42 | 1.2740 | 909.36  | 1.1910 | 1085.54 | 1.6400 | 406.68  |
| 1.2180    | 1264.96 | 1.2940 | 838.39  | 1.2110 | 1030.84 | 1.6900 | 380.41  |
| 1.2480    | 1126.66 | 1.3140 | 747.12  | 1.2410 | 962.38  | 1.7400 | 352.20  |
| 1.2880    | 931.82  | 1.3340 | 652.59  | 1.2710 | 897.93  | 1.7900 | 287.57  |
|           |         | 1.3540 | 575.13  | 1.3010 | 838.39  | 1.8400 | 231.84  |

| X=--- 0.00 |   | 1.05   |        | 5.05   |        | 9.05   |        |
|------------|---|--------|--------|--------|--------|--------|--------|
| Y          | U | Y      | U      | Y      | U      | Y      | U      |
| 1.3740     |   | 1.3740 | 506.31 | 1.3310 | 766.24 | 1.8900 | 181.87 |
| 1.3940     |   | 1.3940 | 440.83 | 1.3610 | 704.39 | 1.9400 | 143.78 |
| 1.4140     |   | 1.4140 | 352.20 | 1.3910 | 652.59 | 1.9900 | 90.94  |
| 1.4340     |   | 1.4340 | 287.57 | 1.4210 | 599.77 | 2.0400 | 0.00   |
| 1.4540     |   | 1.4540 | 203.34 | 1.4510 | 534.13 |        |        |
| 1.4740     |   | 1.4740 | 90.94  | 1.4810 | 489.71 |        |        |
| 1.4940     |   | 1.4940 | 0.00   | 1.5210 | 406.68 |        |        |
|            |   |        |        | 1.5510 | 352.20 |        |        |
|            |   |        |        | 1.5910 | 287.57 |        |        |
|            |   |        |        | 1.6310 | 222.75 |        |        |
|            |   |        |        | 1.6610 | 192.91 |        |        |
|            |   |        |        | 1.6910 | 128.60 |        |        |
|            |   |        |        | 1.7410 | 0.00   |        |        |

TABLE A-10

ALPHA= 37.12

YC= 1.2649

REC= 31330.0

| X=--- 13.05 |         | 17.05  |         | 23.05  |         | 29.05  |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600      | 2296.04 | 0.0600 | 1878.39 | 0.0600 | 1455.00 | 0.0600 | 1166.85 |
| C.0840      | 2300.53 | 0.0700 | 1891.17 | 0.0650 | 1454.98 | 0.0890 | 1168.10 |
| C.1140      | 2345.03 | 0.0800 | 1902.07 | 0.0850 | 1466.31 | 0.1190 | 1226.80 |
| C.1440      | 2423.08 | 0.0900 | 1907.50 | 0.1050 | 1494.24 | 0.1490 | 1281.20 |
| C.1640      | 2440.08 | 0.1000 | 1918.31 | 0.1250 | 1521.66 | 0.1790 | 1292.45 |
| C.1940      | 2465.37 | 0.1100 | 1939.74 | 0.1450 | 1568.49 | 0.2090 | 1305.18 |
| C.2240      | 2473.74 | 0.1200 | 1971.45 | 0.1650 | 1581.61 | 0.2390 | 1333.39 |
| C.2540      | 2465.37 | 0.1300 | 2007.82 | 0.1850 | 1598.52 | 0.2690 | 1351.87 |
| C.2840      | 2465.37 | 0.1400 | 2012.96 | 0.2050 | 1607.54 | 0.2990 | 1351.87 |
| C.3140      | 2431.59 | 0.1700 | 2063.68 | 0.2250 | 1617.80 | 0.3290 | 1354.92 |
| C.3540      | 2423.08 | 0.1900 | 2073.67 | 0.2450 | 1626.72 | 0.3690 | 1364.05 |
| C.3840      | 2380.03 | 0.2100 | 2073.67 | 0.2650 | 1629.26 | 0.4290 | 1367.07 |
| C.4140      | 2353.83 | 0.2300 | 2073.67 | 0.2850 | 1629.26 | 0.4790 | 1364.05 |
| C.4440      | 2336.20 | 0.2500 | 2073.67 | 0.3050 | 1630.53 | 0.5290 | 1361.01 |
| C.4840      | 2291.53 | 0.2700 | 2083.62 | 0.3250 | 1639.38 | 0.6290 | 1342.66 |
| C.5140      | 2236.74 | 0.3300 | 2063.68 | 0.3450 | 1648.18 | 0.7290 | 1317.79 |
| C.5540      | 2208.84 | 0.3800 | 2053.63 | 0.3650 | 1651.94 | 0.8290 | 1298.83 |
| C.5840      | 2161.53 | 0.4300 | 2012.96 | 0.3850 | 1648.18 | 0.9290 | 1253.47 |
| C.6140      | 2132.65 | 0.4800 | 1987.12 | 0.4050 | 1639.38 | 1.0290 | 1223.42 |
| C.6440      | 2113.17 | 0.5300 | 1929.05 | 0.4250 | 1630.53 | 1.1290 | 1199.53 |
| C.6740      | 2073.67 | 0.5800 | 1918.31 | 0.4450 | 1620.35 | 1.2290 | 1166.33 |
| C.7040      | 2023.21 | 0.6300 | 1874.70 | 0.4650 | 1624.18 | 1.3290 | 1132.15 |

| X=--- 13.05 |         | 17.05  |         | 23.05  |         | 29.05  |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | L       | Y      | U       | Y      | U       | Y      | U       |
| C.7340      | 1976.69 | 0.6800 | 1841.32 | 0.4850 | 1626.72 | 1.4290 | 1093.13 |
| C.7640      | 1939.74 | 0.7300 | 1874.70 | 0.5050 | 1613.96 | 1.5290 | 1056.59 |
| C.7940      | 1896.63 | 0.7800 | 1795.85 | 0.5250 | 1601.10 | 1.6290 | 1002.37 |
| 0.8340      | 1843.57 | 0.8300 | 1689.07 | 0.5450 | 1594.63 | 1.7290 | 962.38  |
| 0.8640      | 1795.85 | 0.8800 | 1639.38 | 0.5650 | 1588.14 | 1.8290 | 909.36  |
| C.9040      | 1737.34 | 0.9300 | 1594.63 | 0.5850 | 1581.61 | 1.9290 | 886.34  |
| C.9340      | 1685.39 | 0.9800 | 1548.59 | 0.6050 | 1575.07 | 2.0290 | 835.92  |
| C.9640      | 1639.38 | 1.0300 | 1508.01 | 0.6250 | 1575.07 | 2.1290 | 787.53  |
| C.9940      | 1597.22 | 1.0800 | 1466.31 | 0.6450 | 1561.88 | 2.2290 | 755.37  |
| 1.0240      | 1571.12 | 1.1300 | 1416.10 | 0.6650 | 1555.25 | 2.3290 | 710.24  |
| 1.0540      | 1514.85 | 1.1800 | 1364.05 | 0.7050 | 1535.18 | 2.4290 | 686.55  |
| 1.0840      | 1477.54 | 1.2300 | 1325.61 | 0.7250 | 1528.44 | 2.5290 | 626.74  |
| 1.1140      | 1424.83 | 1.2800 | 1286.04 | 0.7650 | 1508.01 | 2.6290 | 575.13  |
| 1.1440      | 1379.12 | 1.3300 | 1228.48 | 0.8250 | 1473.34 | 2.7290 | 530.25  |
| 1.1740      | 1351.87 | 1.3800 | 1168.10 | 0.8750 | 1447.86 | 2.8290 | 493.91  |
| 1.2140      | 1286.04 | 1.4300 | 1113.74 | 0.9250 | 1423.38 | 2.9290 | 463.69  |
| 1.2540      | 1233.52 | 1.4800 | 1056.59 | 0.9750 | 1401.42 | 3.0290 | 416.72  |
| 1.2940      | 1189.15 | 1.5300 | 1016.70 | 1.0250 | 1379.12 | 3.1290 | 358.02  |
| 1.3240      | 1143.05 | 1.5800 | 953.75  | 1.0750 | 1351.87 | 3.2290 | 346.28  |
| 1.3640      | 1089.34 | 1.6300 | 931.82  | 1.1250 | 1325.61 | 3.3290 | 321.51  |
| 1.4040      | 1026.82 | 1.6800 | 862.70  | 1.1750 | 1294.05 | 3.4290 | 280.28  |
| 1.4440      | 983.63  | 1.7300 | 825.97  | 1.2250 | 1261.69 | 3.5290 | 222.75  |
| 1.4740      | 929.60  | 1.7800 | 774.30  | 1.2750 | 1223.42 | 3.6290 | 143.78  |
| 1.5040      | 890.99  | 1.8300 | 718.92  | 1.3250 | 1202.98 | 3.7290 | 90.94   |
| 1.5340      | 850.63  | 1.8800 | 674.40  | 1.3750 | 1176.92 | 3.8290 | 0.00    |
| 1.5640      | 813.36  | 1.9300 | 658.90  | 1.4250 | 1150.26 |        |         |
| 1.6040      | 771.62  | 1.9800 | 620.10  | 1.4750 | 1113.74 |        |         |
| 1.6640      | 695.53  | 2.0300 | 567.90  | 1.5350 | 1075.97 |        |         |
| 1.7040      | 643.02  | 2.0800 | 518.42  | 1.5750 | 1046.76 |        |         |
| 1.7440      | 575.13  | 2.1300 | 454.68  | 1.6250 | 1016.70 |        |         |
| 1.7840      | 537.99  | 2.1800 | 421.65  | 1.6750 | 985.73  |        |         |
| 1.8240      | 498.08  | 2.2300 | 380.41  | 1.7250 | 953.75  |        |         |
| 1.8740      | 416.72  | 2.2800 | 334.12  | 1.7750 | 920.66  |        |         |
| 1.9240      | 391.13  | 2.3300 | 287.57  | 1.8250 | 886.34  |        |         |
| 1.9740      | 340.25  | 2.3800 | 272.81  | 1.8750 | 874.60  |        |         |
| 2.0240      | 280.28  | 2.4300 | 222.75  | 1.9250 | 825.97  |        |         |
| 2.0740      | 192.91  | 2.4800 | 170.13  | 1.9750 | 787.53  |        |         |
| 2.1240      | 90.94   | 2.5300 | 90.94   | 2.0250 | 774.30  |        |         |
| 2.1740      | 0.00    | 2.5800 | 0.00    | 2.0750 | 733.15  |        |         |
|             |         |        |         | 2.1250 | 704.39  |        |         |
|             |         |        |         | 2.1750 | 674.40  |        |         |
|             |         |        |         | 2.2250 | 658.90  |        |         |
|             |         |        |         | 2.2750 | 610.02  |        |         |
|             |         |        |         | 2.3250 | 592.83  |        |         |
|             |         |        |         | 2.3750 | 575.13  |        |         |
|             |         |        |         | 2.4250 | 556.87  |        |         |
|             |         |        |         | 2.4750 | 518.42  |        |         |

A-51

| 15.05 | 17.05 | 23.05  | 29.05  |
|-------|-------|--------|--------|
| Y     | U     | Y      | U      |
|       |       | 2.5250 | 476.67 |
|       |       | 2.5750 | 462.69 |
|       |       | 2.6250 | 454.68 |
|       |       | 2.6750 | 408.68 |
|       |       | 2.7250 | 352.20 |
|       |       | 2.7750 | 340.25 |
|       |       | 2.8250 | 321.51 |
|       |       | 2.8750 | 287.57 |
|       |       | 2.9250 | 272.61 |
|       |       | 2.9750 | 249.04 |
|       |       | 3.0250 | 222.75 |
|       |       | 3.0750 | 203.34 |
|       |       | 3.1250 | 181.87 |
|       |       | 3.1750 | 157.51 |
|       |       | 3.2250 | 111.37 |
|       |       | 3.2750 | 64.30  |
|       |       | 3.3250 | 0.00   |

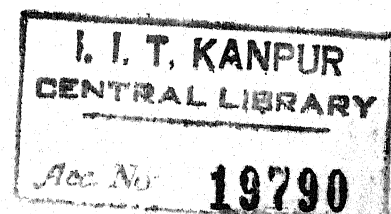
TABLE A-10

ALPHA= 37.12

YC= 1.2649

REC= 31330.0

| 35.05  |
|--------|
| Y      |
| 0.0600 |
| 0.1490 |
| 0.2190 |
| 0.2690 |
| 0.3190 |
| 0.4190 |
| 0.5190 |
| 0.6190 |
| 0.7190 |
| 0.8190 |
| 0.9190 |
| 1.0190 |
| 1.1190 |
| 1.2190 |
| 1.3190 |
| 1.4190 |
| 1.5190 |
| 1.6190 |



X----- 25 05

| Y      | U      |
|--------|--------|
| 1.7190 | 986.25 |
| 1.8190 | 979.26 |
| 1.9190 | 971.99 |
| 2.0190 | 963.30 |
| 2.1190 | 953.46 |
| 2.2190 | 942.90 |
| 2.3190 | 930.80 |
| 2.4190 | 917.15 |
| 2.5190 | 902.39 |
| 2.6190 | 886.40 |
| 2.7190 | 869.02 |
| 2.8190 | 850.02 |
| 2.9190 | 829.26 |
| 3.0190 | 806.14 |
| 3.1190 | 781.41 |
| 3.2190 | 754.12 |
| 3.3190 | 724.68 |
| 3.4190 | 692.65 |
| 3.5190 | 658.75 |
| 3.6190 | 623.57 |
| 3.7190 | 586.20 |
| 3.8190 | 546.34 |
| 3.9190 | 503.51 |
| 4.0190 | 457.00 |

TABLE A-11

ALPHA= 52.92

YC= 0.1029

REC= 3516.0

| X----- | 0.00    |        | 0.50    |        | 1.00    |        | 2.00    |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Y      | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600 | 5146.21 | 0.0600 | 4821.38 | 0.0600 | 4416.98 | 0.0600 | 2410.69 |
| 0.0750 | 5136.10 | 0.0650 | 4897.08 | 0.0650 | 4431.69 | 0.0690 | 2405.95 |
| 0.0900 | 5136.10 | 0.0700 | 4918.14 | 0.0700 | 4623.47 | 0.0790 | 2414.53 |
| 0.1000 | 5136.10 | 0.0750 | 5042.67 | 0.0750 | 4747.02 | 0.0840 | 2414.53 |
| 0.1100 | 5136.10 | 0.0800 | 5083.50 | 0.0800 | 4760.07 | 0.0940 | 2423.08 |
| 0.1300 | 5144.14 | 0.0850 | 5091.63 | 0.0850 | 4747.02 | 0.1040 | 2423.08 |
| 0.1400 | 5075.36 | 0.0900 | 5083.50 | 0.0900 | 4681.24 | 0.1240 | 2405.95 |
| 0.1500 | 5103.79 | 0.0950 | 5063.13 | 0.0950 | 4614.52 | 0.1440 | 2371.33 |
| 0.1600 | 5103.79 | 0.1000 | 5042.67 | 0.1000 | 4546.82 | 0.1490 | 2336.20 |
| 0.1700 | 5132.07 | 0.1050 | 4972.48 | 0.1050 | 4431.69 | 0.1640 | 2291.53 |
| 0.1750 | 5128.04 | 0.1100 | 4627.94 | 0.1100 | 4191.96 | 0.1840 | 2208.84 |



| X----- 0.00 |         | 0.50   |         | 1.00   |         | 2.00   |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.1150      | 4408.31 | 0.1150 | 4408.31 | 0.1150 | 4041.30 | 0.2040 | 2122.93 |
| 0.1200      | 3989.82 | 0.1200 | 3989.82 | 0.1200 | 3693.85 | 0.2240 | 2021.16 |
| 0.1250      | 3402.53 | 0.1250 | 3402.53 | 0.1250 | 3328.82 | 0.2440 | 1874.70 |
| 0.1300      | 2839.49 | 0.1300 | 2839.49 | 0.1300 | 3050.10 | 0.2640 | 1760.98 |
| 0.1350      | 2300.53 | 0.1350 | 2300.53 | 0.1350 | 2651.23 | 0.2840 | 1621.63 |
| 0.1400      | 1760.98 | 0.1400 | 1760.98 | 0.1400 | 2227.48 | 0.3040 | 1463.48 |
| 0.1450      | 1364.05 | 0.1450 | 1364.05 | 0.1450 | 2053.63 | 0.3240 | 1320.93 |
| 0.1500      | 953.75  | 0.1500 | 953.75  | 0.1500 | 1664.41 | 0.3440 | 1168.10 |
| 0.1550      | 592.83  | 0.1550 | 592.83  | 0.1550 | 1132.15 | 0.3640 | 1016.70 |
| 0.1600      | 301.60  | 0.1600 | 301.60  | 0.1600 | 909.36  | 0.3840 | 909.36  |
| 0.1650      | 90.94   | 0.1650 | 90.94   | 0.1650 | 658.90  | 0.4040 | 733.15  |
| 0.1700      | 0.00    | 0.1700 | 0.00    | 0.1700 | 431.35  | 0.4340 | 498.08  |
|             |         |        |         | 0.1750 | 380.41  | 0.4540 | 352.20  |
|             |         |        |         | 0.1800 | 287.57  | 0.4740 | 203.34  |
|             |         |        |         | 0.1860 | 203.34  | 0.4940 | 0.00    |
|             |         |        |         | 0.1900 | 143.78  |        |         |
|             |         |        |         | 0.1950 | 64.30   |        |         |
|             |         |        |         | 0.2000 | 0.00    |        |         |

TABLE A-11

ALPHA= 53.92

YC= 0.1029

REC= 3516.0

| X----- 4.00 |         | 6.00   |         | 9.00   |         | 12.00  |        |
|-------------|---------|--------|---------|--------|---------|--------|--------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U      |
| 0.0600      | 1524.65 | 0.0600 | 1304.57 | 0.0600 | 955.63  | 0.0600 | 756.86 |
| 0.0890      | 1524.37 | 0.0650 | 1302.01 | 0.0650 | 960.23  | 0.0700 | 758.11 |
| 0.1090      | 1557.91 | 0.0750 | 1317.79 | 0.0750 | 970.94  | 0.0800 | 760.83 |
| 0.1190      | 1563.21 | 0.0850 | 1333.39 | 0.0850 | 985.73  | 0.0950 | 774.30 |
| 0.1390      | 1555.25 | 0.0950 | 1341.12 | 0.0950 | 996.16  | 0.1250 | 800.55 |
| 0.1590      | 1541.90 | 0.1050 | 1341.12 | 0.1050 | 1006.48 | 0.1450 | 825.97 |
| 0.1790      | 1521.66 | 0.1450 | 1361.01 | 0.1150 | 1016.70 | 0.1750 | 850.63 |
| 0.1990      | 1483.13 | 0.1950 | 1330.29 | 0.1250 | 1026.82 | 0.2050 | 857.89 |
| 0.2290      | 1433.51 | 0.2250 | 1302.01 | 0.1350 | 1036.83 | 0.2350 | 857.89 |
| 0.2490      | 1404.37 | 0.2450 | 1294.05 | 0.1450 | 1040.81 | 0.2650 | 850.63 |
| 0.2790      | 1351.87 | 0.2850 | 1253.47 | 0.1550 | 1040.81 | 0.2950 | 843.31 |
| 0.3090      | 1264.96 | 0.3250 | 1211.54 | 0.1650 | 1040.81 | 0.3450 | 825.97 |
| 0.3290      | 1223.42 | 0.3650 | 1168.10 | 0.1950 | 1050.70 | 0.3950 | 813.36 |
| 0.3590      | 1157.43 | 0.4050 | 1141.24 | 0.2250 | 1046.76 | 0.4450 | 808.26 |
| 0.3890      | 1098.79 | 0.4450 | 1095.02 | 0.2550 | 1040.81 | 0.4950 | 800.55 |
| 0.4190      | 1030.84 | 0.4850 | 1056.59 | 0.2850 | 1026.82 | 0.5550 | 782.26 |
| 0.4490      | 953.75  | 0.5250 | 1016.70 | 0.3150 | 1012.63 | 0.5950 | 766.24 |

| X=--- 4.00 |        | 6.00   |        | 9.00   |         | 12.00  |        |
|------------|--------|--------|--------|--------|---------|--------|--------|
| Y          | U      | Y      | U      | Y      | U       | Y      | U      |
| C.4790     | 886.34 | 0.5650 | 975.18 | 0.3450 | 996.16  | 0.6450 | 747.12 |
| C.5090     | 870.96 | 0.6050 | 920.66 | 0.3750 | 985.73  | 0.6950 | 718.92 |
| C.5390     | 766.24 | 0.6450 | 862.70 | 0.4050 | 1075.97 | 0.7450 | 689.56 |
| C.5690     | 704.39 | 0.6850 | 825.97 | 0.4350 | 953.75  | 0.7950 | 674.40 |
| C.5990     | 616.76 | 0.7250 | 787.53 | 0.4650 | 931.82  | 0.8450 | 649.42 |
| C.6290     | 575.13 | 0.7650 | 747.12 | 0.4950 | 916.16  | 0.8950 | 626.74 |
| C.6690     | 510.38 | 0.8050 | 704.39 | 0.5250 | 1095.02 | 0.9450 | 616.76 |
| 0.7090     | 406.68 | 0.8450 | 643.02 | 0.5650 | 862.70  | 0.9950 | 575.13 |
| C.7490     | 363.75 | 0.8850 | 603.20 | 0.5950 | 850.63  | 1.0450 | 556.87 |
| C.7990     | 287.57 | 0.9250 | 549.39 | 0.6250 | 838.39  | 1.0950 | 545.62 |
| C.8390     | 222.75 | 0.9650 | 498.08 | 0.6550 | 813.36  | 1.1450 | 537.99 |
| 0.8790     | 157.51 | 1.0050 | 463.69 | 0.6850 | 787.53  | 1.1950 | 518.42 |
| C.9290     | 0.00   | 1.0450 | 431.35 | 0.7150 | 766.24  | 1.2450 | 498.08 |
|            |        | 1.0850 | 380.41 | 0.7450 | 747.12  | 1.2950 | 485.47 |
|            |        | 1.1250 | 321.51 | 0.7750 | 727.49  | 1.3450 | 463.69 |
|            |        | 1.1650 | 287.57 | 0.8050 | 704.39  | 1.3950 | 431.35 |
|            |        | 1.2050 | 249.04 | 0.8350 | 689.56  | 1.4450 | 406.68 |
|            |        | 1.2450 | 181.87 | 0.8650 | 674.40  | 1.4950 | 385.81 |
|            |        | 1.2850 | 128.60 | 0.8950 | 626.74  | 1.5450 | 363.75 |
|            |        |        |        | 0.9250 | 610.02  | 1.5950 | 334.12 |
|            |        |        |        | 0.9550 | 592.83  | 1.6450 | 321.51 |
|            |        |        |        | 0.9850 | 575.13  | 1.6950 | 287.57 |
|            |        |        |        | 1.0150 | 556.87  | 1.7450 | 249.04 |
|            |        |        |        | 1.0550 | 530.25  | 1.7950 | 222.75 |
|            |        |        |        | 1.0850 | 510.38  | 1.8450 | 203.34 |
|            |        |        |        | 1.1150 | 489.71  | 1.8950 | 181.87 |
|            |        |        |        | 1.1450 | 472.52  | 1.9450 | 143.78 |
|            |        |        |        | 1.1750 | 454.68  | 1.9950 | 128.60 |
|            |        |        |        | 1.2050 | 431.35  | 2.0450 | 90.94  |
|            |        |        |        | 1.2350 | 416.72  | 2.0950 | 90.94  |
|            |        |        |        | 1.2650 | 396.38  | 2.1550 | 0.00   |
|            |        |        |        | 1.2950 | 380.41  |        |        |
|            |        |        |        | 1.3250 | 369.39  |        |        |
|            |        |        |        | 1.3550 | 340.25  |        |        |
|            |        |        |        | 1.3850 | 315.01  |        |        |
|            |        |        |        | 1.4150 | 287.57  |        |        |
|            |        |        |        | 1.4450 | 249.04  |        |        |
|            |        |        |        | 1.4750 | 222.75  |        |        |
|            |        |        |        | 1.5050 | 222.75  |        |        |
|            |        |        |        | 1.5350 | 203.34  |        |        |
|            |        |        |        | 1.5650 | 181.87  |        |        |
|            |        |        |        | 1.5950 | 143.78  |        |        |
|            |        |        |        | 1.6450 | 90.94   |        |        |
|            |        |        |        | 1.6650 | 64.30   |        |        |
|            |        |        |        | 1.6950 | 0.00    |        |        |

TABLE A-11

ALPHA= 53.92

YC= 0.1029

REC= 3516.0

X--- 15.00

| Y      | U      |
|--------|--------|
| C.0600 | 644.28 |
| C.0750 | 658.90 |
| C.0950 | 689.56 |
| C.1150 | 718.92 |
| C.1350 | 727.49 |
| C.1550 | 733.15 |
| C.1750 | 744.35 |
| C.2050 | 747.12 |
| C.2450 | 755.37 |
| C.2850 | 755.37 |
| C.3150 | 749.88 |
| C.3550 | 728.77 |
| C.4050 | 727.49 |
| C.4650 | 713.14 |
| C.5150 | 704.39 |
| C.6150 | 683.54 |
| C.7150 | 643.02 |
| C.8150 | 616.76 |
| C.9150 | 582.28 |
| 1.0150 | 545.62 |
| 1.2150 | 476.87 |
| 1.4150 | 406.68 |
| 1.6150 | 340.25 |
| 1.8150 | 203.34 |
| 2.0150 | 181.87 |
| 2.2150 | 0.00   |

|   |      |   |   |      |   |   |      |   |
|---|------|---|---|------|---|---|------|---|
| Y | 0.00 | U | Y | 0.00 | U | Y | 0.00 | U |
|---|------|---|---|------|---|---|------|---|

TABLE A-12

ALPHA= 53.92

YC= 0.2057

REC= 6098.0

X--- 0.00

| Y      | U       |
|--------|---------|
| C.0600 | 4283.39 |
| C.0700 | 4279.81 |
| C.0750 | 4274.98 |
| C.0850 | 4274.98 |
| C.0950 | 4303.90 |
| C.1050 | 4375.36 |

1.10

| Y      | U       |
|--------|---------|
| 0.0600 | 4023.55 |
| 0.0660 | 4015.64 |
| 0.0760 | 4015.64 |
| 0.0860 | 4015.64 |
| 0.0960 | 4051.52 |
| 0.1060 | 4107.27 |

2.10

| Y      | U       |
|--------|---------|
| 0.0600 | 3701.13 |
| 0.0670 | 3693.85 |
| 0.0720 | 3699.45 |
| 0.0770 | 3699.45 |
| 0.0820 | 3699.45 |
| 0.0920 | 3710.61 |

4.10

| Y      | U       |
|--------|---------|
| 0.0600 | 2952.48 |
| 0.0700 | 2925.55 |
| 0.0800 | 2925.55 |
| 0.0900 | 2925.55 |
| 0.1000 | 2925.55 |
| 0.1100 | 2911.39 |

[illegible]

TABLE A-12

ALPHA= 53.92

YC= 0.2057

REC= 6098.0

| X--- 6.10 |         | 9.10   |         | 12.10  |         | 16.10  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | L       | Y      | U       | Y      | U       | Y      | U       |
| C.0600    | 2367.25 | 0.0600 | 1816.60 | 0.0600 | 1450.71 | 0.0600 | 1125.19 |
| C.0700    | 2380.03 | 0.0700 | 1815.32 | 0.0700 | 1452.14 | 0.0700 | 1122.98 |
| C.0800    | 2405.95 | 0.0900 | 1841.32 | 0.0900 | 1466.31 | 0.0800 | 1126.66 |
| 0.0900    | 2414.53 | 0.1100 | 1874.70 | 0.1100 | 1480.34 | 0.0900 | 1128.49 |
| C.1000    | 2405.95 | 0.1300 | 1885.70 | 0.1300 | 1521.66 | 0.1100 | 1168.10 |
| C.1100    | 2405.95 | 0.1500 | 1891.17 | 0.1500 | 1528.44 | 0.1200 | 1185.67 |
| C.1200    | 2405.95 | 0.1700 | 1874.70 | 0.1700 | 1531.14 | 0.1300 | 1206.41 |
| C.1400    | 2362.60 | 0.1900 | 1863.64 | 0.1800 | 1535.18 | 0.1400 | 1206.41 |
| C.1500    | 2336.20 | 0.2100 | 1852.52 | 0.1900 | 1545.92 | 0.1600 | 1223.42 |
| C.1600    | 2318.43 | 0.2300 | 1824.40 | 0.2000 | 1535.18 | 0.1800 | 1228.48 |
| C.1700    | 2336.20 | 0.2500 | 1793.55 | 0.2100 | 1528.44 | 0.2000 | 1230.17 |
| C.1800    | 2291.53 | 0.2700 | 1760.98 | 0.2200 | 1524.37 | 0.2200 | 1238.54 |
| C.2000    | 2227.48 | 0.2900 | 1731.38 | 0.2300 | 1521.66 | 0.2400 | 1231.84 |
| C.2200    | 2161.53 | 0.3100 | 1701.26 | 0.2400 | 1516.21 | 0.2600 | 1230.17 |
| C.2400    | 2103.37 | 0.3300 | 1664.41 | 0.2500 | 1510.75 | 0.2800 | 1226.80 |
| C.2600    | 2023.21 | 0.3500 | 1639.38 | 0.2600 | 1508.01 | 0.3000 | 1218.34 |
| C.2800    | 2018.09 | 0.3700 | 1607.54 | 0.2700 | 1501.14 | 0.3200 | 1214.95 |
| C.3000    | 1955.66 | 0.3900 | 1575.07 | 0.2900 | 1480.34 | 0.3400 | 1201.26 |
| C.3200    | 1902.07 | 0.4100 | 1535.18 | 0.3000 | 1480.34 | 0.3600 | 1185.67 |
| C.3400    | 1818.73 | 0.4300 | 1501.14 | 0.3100 | 1469.12 | 0.3800 | 1183.92 |
| C.3600    | 1760.98 | 0.4500 | 1459.24 | 0.3300 | 1440.70 | 0.4000 | 1168.10 |
| C.3800    | 1701.26 | 0.4700 | 1416.10 | 0.3500 | 1416.10 | 0.4300 | 1152.06 |
| 0.4000    | 1639.38 | 0.4900 | 1379.12 | 0.3700 | 1398.47 | 0.4600 | 1132.15 |
| C.4200    | 1575.07 | 0.5100 | 1348.81 | 0.3900 | 1379.12 | 0.4900 | 1126.66 |
| C.4400    | 1494.24 | 0.5300 | 1309.93 | 0.4100 | 1361.01 | 0.5200 | 1098.79 |
| C.4600    | 1466.31 | 0.5500 | 1269.86 | 0.4300 | 1344.20 | 0.5500 | 1074.05 |
| C.4800    | 1394.03 | 0.5700 | 1150.26 | 0.4500 | 1320.93 | 0.5800 | 1056.59 |
| C.5000    | 1302.01 | 0.5900 | 1202.98 | 0.4700 | 1294.05 | 0.6100 | 1038.83 |
| C.5200    | 1202.98 | 0.6100 | 1168.10 | 0.4900 | 1274.73 | 0.6400 | 1016.70 |
| C.5400    | 1164.55 | 0.6300 | 1132.15 | 0.5100 | 1253.47 | 0.6700 | 996.16  |
| 0.5600    | 1098.79 | 0.6500 | 1095.02 | 0.5300 | 1737.34 | 0.7000 | 975.18  |
| C.5800    | 1030.84 | 0.6700 | 1056.59 | 0.5500 | 1211.54 | 0.7400 | 947.22  |
| C.6200    | 909.36  | 0.6900 | 1016.70 | 0.5700 | 1197.81 | 0.7700 | 927.37  |
| 0.6600    | 787.53  | 0.7100 | 975.18  | 0.5900 | 1168.10 | 0.8000 | 909.36  |
| 0.6800    | 733.15  | 0.7300 | 931.82  | 0.6100 | 1141.24 | 0.8300 | 869.86  |
| C.7000    | 674.40  | 0.7500 | 886.34  | 0.6300 | 1113.74 | 0.8600 | 850.63  |
| C.7200    | 610.02  | 0.7700 | 855.48  | 0.6500 | 1091.24 | 0.8900 | 835.92  |
| 0.7400    | 537.99  | 0.7900 | 818.43  | 0.6700 | 1066.32 | 0.9200 | 813.36  |
| 0.7600    | 506.31  | 0.8100 | 779.62  | 0.6900 | 1042.80 | 0.9500 | 795.37  |
| 0.7800    | 431.35  | 0.8300 | 747.12  | 0.7100 | 1016.70 | 0.9800 | 766.24  |
| 0.8000    | 380.41  | 0.8500 | 704.39  | 0.7300 | 985.73  | 1.0100 | 738.77  |
| 0.8200    | 334.12  | 0.8700 | 668.24  | 0.7500 | 968.80  | 1.0500 | 713.14  |

| X--- 6.10 |        | 9.10   |        | 12.10  |        | 16.10  |        |
|-----------|--------|--------|--------|--------|--------|--------|--------|
| Y         | L      | Y      | U      | Y      | U      | Y      | U      |
| C.8400    | 272.81 | 0.8900 | 633.30 | 0.7700 | 947.22 | 1.0900 | 692.55 |
| C.8600    | 203.34 | 0.9100 | 592.83 | 0.7900 | 925.14 | 1.1300 | 646.22 |
| C.8800    | 170.13 | 0.9300 | 556.87 | 0.8100 | 904.81 | 1.1600 | 636.55 |
| C.9000    | 128.60 | 0.9500 | 518.42 | 0.8300 | 886.54 | 1.2000 | 603.20 |
| C.9200    | 64.30  | 0.9700 | 489.71 | 0.8500 | 862.70 | 1.2300 | 575.13 |
| C.9400    | 0.00   | 0.9900 | 454.68 | 0.8700 | 787.53 | 1.2700 | 545.62 |
|           |        | 1.0100 | 431.35 | 0.8900 | 760.83 | 1.3100 | 526.33 |
|           |        | 1.0300 | 406.68 | 0.9100 | 747.12 | 1.3500 | 489.71 |
|           |        | 1.0500 | 380.41 | 0.9500 | 733.15 | 1.3900 | 454.68 |
|           |        | 1.0700 | 352.20 | 0.9700 | 704.39 | 1.4400 | 416.72 |
|           |        | 1.0900 | 321.51 | 0.9900 | 674.40 | 1.4800 | 396.38 |
|           |        | 1.1100 | 287.57 | 1.0100 | 643.02 | 1.5200 | 352.20 |
|           |        | 1.1300 | 249.04 | 1.0300 | 626.74 | 1.5600 | 340.25 |
|           |        | 1.1500 | 203.34 | 1.0500 | 599.77 | 1.6200 | 287.57 |
|           |        | 1.1700 | 143.78 | 1.0700 | 582.28 | 1.6700 | 249.04 |
|           |        | 1.1900 | 90.94  | 1.0900 | 567.90 | 1.7200 | 203.34 |
|           |        | 1.2100 | 0.00   | 1.1100 | 537.99 | 1.8200 | 143.78 |
|           |        |        |        | 1.1300 | 522.39 | 1.9200 | 0.00   |
|           |        |        |        | 1.1500 | 485.47 |        |        |
|           |        |        |        | 1.1700 | 459.21 |        |        |
|           |        |        |        | 1.1900 | 445.50 |        |        |
|           |        |        |        | 1.2200 | 406.68 |        |        |
|           |        |        |        | 1.2600 | 352.20 |        |        |
|           |        |        |        | 1.2900 | 340.25 |        |        |
|           |        |        |        | 1.3300 | 287.57 |        |        |
|           |        |        |        | 1.3800 | 231.84 |        |        |
|           |        |        |        | 1.4300 | 181.87 |        |        |
|           |        |        |        | 1.4800 | 90.94  |        |        |
|           |        |        |        | 1.5300 | 0.00   |        |        |

TABLE A-12

ALPHA= 53.92

YC= 0.2057

REC= 6098.0

| X--- 20.10 |         | 26.10  |        |
|------------|---------|--------|--------|
| Y          | U       | Y      | U      |
| C.0600     | 888.08  | 0.0600 | 699.87 |
| C.0880     | 909.36  | 0.1100 | 707.32 |
| C.1080     | 931.82  | 0.1400 | 752.63 |
| C.1280     | 973.06  | 0.1700 | 782.26 |
| C.1580     | 998.23  | 0.2000 | 800.55 |
| C.1780     | 1000.30 | 0.2300 | 813.36 |

| 20.10  |         | 26.10  |        |
|--------|---------|--------|--------|
| Y      | U       | Y      | U      |
| 0.2080 | 1016.70 | 0.2500 | 808.26 |
| 0.2380 | 1016.73 | 0.2700 | 808.26 |
| 0.2680 | 1016.82 | 0.2900 | 810.81 |
| 0.2980 | 1020.84 | 0.3200 | 813.26 |
| 0.3280 | 1030.84 | 0.3500 | 805.70 |
| 0.3580 | 1016.70 | 0.3800 | 803.13 |
| 0.3880 | 1012.63 | 0.4100 | 803.13 |
| 0.4180 | 1010.58 | 0.4500 | 803.13 |
| 0.4580 | 992.00  | 0.5100 | 792.77 |
| 0.4880 | 987.82  | 0.5700 | 771.62 |
| 0.5180 | 964.53  | 0.6300 | 766.24 |
| 0.5780 | 949.40  | 0.7100 | 760.83 |
| 0.6180 | 921.82  | 0.8200 | 733.15 |
| 0.6580 | 909.36  | 0.9200 | 704.39 |
| 0.6980 | 902.52  | 1.0200 | 658.90 |
| 0.7680 | 874.60  | 1.1200 | 643.02 |
| 0.8180 | 843.31  | 1.2200 | 610.02 |
| 0.8480 | 813.47  | 1.3200 | 575.13 |
| 0.8880 | 813.36  | 1.4200 | 541.82 |
| 0.9680 | 766.24  | 1.6200 | 476.87 |
| 0.9280 | 787.53  | 1.5200 | 506.31 |
| 1.0080 | 755.37  | 1.7200 | 454.68 |
| 1.0380 | 733.15  | 1.8200 | 411.73 |
| 1.0780 | 704.39  | 1.9200 | 391.13 |
| 1.1180 | 677.46  | 2.0200 | 352.20 |
| 1.1580 | 668.24  | 2.1200 | 321.51 |
| 1.1880 | 643.02  | 2.2200 | 301.60 |
| 1.2280 | 626.74  | 2.3200 | 272.81 |
| 1.2680 | 599.77  | 2.4200 | 213.26 |
| 1.3180 | 582.28  | 2.5200 | 203.34 |
| 1.3680 | 564.25  | 2.6200 | 170.13 |
| 1.4080 | 537.99  | 2.7200 | 143.78 |
| 1.4580 | 506.31  | 2.8200 | 90.94  |
| 1.5080 | 489.71  | 2.9200 | 64.30  |
| 1.5680 | 454.68  | 2.9800 | 0.00   |
| 1.6380 | 416.72  |        |        |
| 1.6980 | 391.13  |        |        |
| 1.7780 | 346.28  |        |        |
| 1.8280 | 315.01  |        |        |
| 1.8880 | 287.57  |        |        |
| 1.9480 | 280.28  |        |        |
| 2.0180 | 213.26  |        |        |
| 2.1180 | 192.91  |        |        |
| 2.2180 | 111.37  |        |        |
| 2.3180 | 0.00    |        |        |

TABLE A-13

ALPHA= 53.92

YC= 0.3073

REC= 9784.0

| X----  | 0.00    |   | 1.20   |         | 3.20   |         | 4.20   |         |
|--------|---------|---|--------|---------|--------|---------|--------|---------|
|        | Y       | U | Y      | U       | Y      | U       | Y      | U       |
| C.0600 | 4273.69 |   | 0.0600 | 4023.55 | 0.0600 | 3756.79 | 0.0600 | 3445.56 |
| C.0650 | 4289.46 |   | 0.0700 | 4066.80 | 0.0670 | 3760.42 | 0.0720 | 3444.80 |
| C.0700 | 4299.09 |   | 0.0800 | 4191.96 | 0.0770 | 3765.91 | 0.0820 | 3450.79 |
| C.0750 | 4313.49 |   | 0.0900 | 4313.49 | 0.0870 | 3842.00 | 0.0920 | 3504.30 |
| C.0800 | 4313.49 |   | 0.1000 | 4370.63 | 0.0970 | 3858.11 | 0.1020 | 3521.95 |
| C.0850 | 4337.39 |   | 0.1100 | 4431.69 | 0.1070 | 3895.43 | 0.1120 | 3533.67 |
| C.0900 | 4337.39 |   | 0.1200 | 4468.86 | 0.1170 | 3895.43 | 0.1220 | 3539.52 |
| C.0950 | 4346.91 |   | 0.1300 | 4501.12 | 0.1270 | 3895.43 | 0.1320 | 3521.95 |
| C.1000 | 4384.80 |   | 0.1400 | 4501.12 | 0.1370 | 3884.81 | 0.1420 | 3516.08 |
| C.1050 | 4454.96 |   | 0.1500 | 4501.12 | 0.1470 | 3858.11 | 0.1520 | 3486.56 |
| C.1100 | 4533.16 |   | 0.1700 | 4454.96 | 0.1570 | 3847.37 | 0.1620 | 3450.79 |
| C.1150 | 4592.06 |   | 0.1800 | 4384.80 | 0.1670 | 3787.80 | 0.1720 | 3414.66 |
| C.1200 | 4636.87 |   | 0.1900 | 4313.49 | 0.1770 | 3738.36 | 0.1820 | 3384.25 |
| C.1250 | 4659.11 |   | 0.2000 | 4206.73 | 0.1870 | 3682.64 | 0.1920 | 3335.02 |
| C.1300 | 4681.24 |   | 0.2100 | 4102.23 | 0.1970 | 3620.37 | 0.2020 | 3291.35 |
| C.1350 | 4698.87 |   | 0.2200 | 4005.33 | 0.2070 | 3521.95 | 0.2120 | 3227.92 |
| C.1400 | 4725.20 |   | 0.2300 | 3884.81 | 0.2170 | 3450.79 | 0.2220 | 3169.76 |
| C.1450 | 4755.72 |   | 0.2400 | 3776.87 | 0.2270 | 3384.25 | 0.2320 | 3130.38 |
| C.1500 | 4760.07 |   | 0.2500 | 3637.46 | 0.2370 | 3328.82 | 0.2420 | 3083.80 |
| C.1550 | 4768.75 |   | 0.2600 | 3492.48 | 0.2470 | 3259.79 | 0.2520 | 3029.70 |
| C.1650 | 4760.07 |   | 0.2700 | 3372.01 | 0.2570 | 3195.74 | 0.2620 | 2981.55 |
| C.1750 | 4751.37 |   | 0.2800 | 3266.12 | 0.2670 | 3083.80 | 0.2720 | 2918.48 |
| C.1850 | 4703.27 |   | 0.2900 | 3150.13 | 0.2770 | 3002.28 | 0.2820 | 2854.01 |
| C.1950 | 4636.87 |   | 0.3000 | 2981.55 | 0.2870 | 2946.68 | 0.2920 | 2802.85 |
| C.2050 | 4555.91 |   | 0.3100 | 2802.85 | 0.2970 | 2854.01 | 0.3020 | 2728.09 |
| C.2150 | 4417.68 |   | 0.3200 | 2651.23 | 0.3070 | 2758.24 | 0.3120 | 2659.02 |
| C.2250 | 4375.36 |   | 0.3300 | 2490.40 | 0.3170 | 2666.78 | 0.3220 | 2588.10 |
| C.2350 | 4265.30 |   | 0.3400 | 2345.03 | 0.3270 | 2588.10 | 0.3320 | 2547.84 |
| C.2450 | 4191.96 |   | 0.3500 | 2199.46 | 0.3370 | 2506.94 | 0.3420 | 2482.08 |
| C.2550 | 4066.80 |   | 0.3600 | 2083.62 | 0.3470 | 2423.08 | 0.3520 | 2405.95 |
|        |         |   | 0.3700 | 1960.94 | 0.3570 | 2336.20 | 0.3620 | 2345.03 |
|        |         |   | 0.3800 | 1818.73 | 0.3670 | 2236.74 | 0.3720 | 2291.53 |
|        |         |   | 0.3900 | 1626.72 | 0.3770 | 2161.53 | 0.3820 | 2227.48 |
|        |         |   | 0.4000 | 1466.31 | 0.3970 | 2053.63 | 0.3920 | 2171.08 |
|        |         |   | 0.4100 | 1302.01 | 0.4070 | 1952.49 | 0.4020 | 2122.93 |
|        |         |   | 0.4200 | 1202.98 | 0.4170 | 1863.64 | 0.4120 | 2073.67 |
|        |         |   | 0.4300 | 1056.59 | 0.4270 | 1769.18 | 0.4220 | 1984.00 |
|        |         |   | 0.4400 | 953.75  | 0.4370 | 1709.75 | 0.4320 | 1925.84 |
|        |         |   | 0.4500 | 838.39  | 0.4470 | 1624.18 | 0.4420 | 1863.64 |
|        |         |   | 0.4600 | 718.92  | 0.4570 | 1548.59 | 0.4520 | 1818.73 |
|        |         |   | 0.4700 | 592.83  | 0.4670 | 1502.52 | 0.4620 | 1751.56 |
|        |         |   | 0.4800 | 498.08  | 0.4770 | 1426.28 | 0.4720 | 1710.96 |
|        |         |   | 0.4900 | 406.68  | 0.4870 | 1353.40 | 0.4820 | 1651.94 |



X--- 0.00  
Y U

| Y      | U      |
|--------|--------|
| 0.5000 | 352.20 |
| 0.5100 | 287.57 |
| 0.5200 | 203.34 |
| 0.5300 | 143.78 |
| 0.5400 | 64.30  |
| 0.5500 | 0.00   |

1.20

| Y      | U       |
|--------|---------|
| 0.4970 | 1266.60 |
| 0.5070 | 1183.92 |
| 0.5170 | 1113.74 |
| 0.5270 | 1036.83 |
| 0.5370 | 960.23  |
| 0.5470 | 909.36  |
| 0.5570 | 860.30  |
| 0.5670 | 810.81  |
| 0.5770 | 758.77  |
| 0.5870 | 674.40  |
| 0.5970 | 616.76  |
| 0.6070 | 545.62  |
| 0.6170 | 493.91  |
| 0.6270 | 445.50  |
| 0.6370 | 391.13  |
| 0.6470 | 334.12  |
| 0.6570 | 280.28  |
| 0.6670 | 213.26  |
| 0.6770 | 181.87  |
| 0.6870 | 0.00    |

3.20

| Y      | U       |
|--------|---------|
| 0.4920 | 1586.83 |
| 0.5020 | 1510.75 |
| 0.5120 | 1440.70 |
| 0.5220 | 1377.62 |
| 0.5320 | 1317.79 |
| 0.5420 | 1271.49 |
| 0.5520 | 1218.34 |
| 0.5620 | 1171.63 |
| 0.5720 | 1117.45 |
| 0.5820 | 1066.32 |
| 0.5920 | 1012.63 |
| 0.6020 | 953.75  |
| 0.6120 | 890.99  |
| 0.6220 | 840.85  |
| 0.6320 | 792.77  |
| 0.6420 | 755.37  |
| 0.6520 | 707.32  |
| 0.6620 | 652.59  |
| 0.6720 | 610.02  |
| 0.6820 | 571.53  |
| 0.6920 | 510.38  |
| 0.7020 | 476.87  |
| 0.7120 | 421.65  |
| 0.7220 | 385.81  |
| 0.7320 | 340.25  |
| 0.7420 | 294.67  |
| 0.7520 | 265.12  |
| 0.7620 | 213.26  |
| 0.7720 | 181.87  |
| 0.7820 | 128.60  |
| 0.7920 | 0.00    |

4.20

TABLE A-13

ALPHA= 53.92

YC= 0.3073

REC= 9784.0

| X--- 6.20 |         | 8.20   |         | 11.20  |         | 14.20  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600    | 2931.31 | 0.0600 | 2536.55 | 0.0600 | 1975.34 | 0.0600 | 1600.37 |
| C.0740    | 2932.61 | 0.0650 | 2490.40 | 0.0700 | 1976.69 | 0.0760 | 1610.11 |
| C.0840    | 2939.65 | 0.0750 | 2547.84 | 0.0900 | 2018.09 | 0.0960 | 1664.41 |
| C.0940    | 2946.68 | 0.0850 | 2547.84 | 0.1100 | 2058.66 | 0.1160 | 1687.84 |
| C.1040    | 2967.65 | 0.0950 | 2572.07 | 0.1200 | 2063.68 | 0.1260 | 1697.62 |
| C.1140    | 2995.39 | 0.1050 | 2572.07 | 0.1300 | 2083.62 | 0.1360 | 1709.75 |
| C.1240    | 3002.28 | 0.1250 | 2572.07 | 0.1500 | 2088.57 | 0.1460 | 1713.37 |
| C.1340    | 3002.28 | 0.1550 | 2531.56 | 0.1600 | 2083.62 | 0.1560 | 1715.78 |
| C.1440    | 3002.28 | 0.1750 | 2490.40 | 0.1700 | 2083.62 | 0.1660 | 1716.99 |
| C.1540    | 2995.39 | 0.1950 | 2448.54 | 0.1900 | 2083.62 | 0.1760 | 1727.79 |
| C.1640    | 2988.48 | 0.2150 | 2405.95 | 0.2100 | 2073.67 | 0.1860 | 1728.99 |
| C.1740    | 2960.68 | 0.2350 | 2362.60 | 0.2300 | 2058.66 | 0.2060 | 1725.40 |
| C.1840    | 2946.68 | 0.2550 | 2318.43 | 0.2500 | 2033.40 | 0.2260 | 1724.20 |
| C.1940    | 2932.61 | 0.2750 | 2273.41 | 0.2700 | 2012.96 | 0.2460 | 1716.99 |
| C.2040    | 2897.15 | 0.2950 | 2227.48 | 0.2900 | 2002.67 | 0.2760 | 1697.62 |
| C.2140    | 2868.46 | 0.3150 | 2180.58 | 0.3100 | 1976.69 | 0.3060 | 1679.25 |
| C.2240    | 2839.49 | 0.3350 | 2132.65 | 0.3300 | 1960.94 | 0.3360 | 1654.44 |
| C.2340    | 2788.06 | 0.3550 | 2103.37 | 0.3500 | 1918.31 | 0.3760 | 1626.72 |
| C.2440    | 2773.19 | 0.3750 | 2063.68 | 0.3700 | 1896.63 | 0.4160 | 1581.61 |
| C.2540    | 2728.09 | 0.3950 | 1992.32 | 0.3900 | 1874.70 | 0.4560 | 1544.58 |
| C.2640    | 2712.89 | 0.4150 | 1966.20 | 0.4100 | 1818.73 | 0.4960 | 1508.01 |
| C.2740    | 2666.78 | 0.4350 | 1907.50 | 0.4300 | 1790.09 | 0.5360 | 1463.48 |
| C.2840    | 2635.59 | 0.4550 | 1841.32 | 0.4500 | 1760.98 | 0.5760 | 1423.38 |
| C.3040    | 2564.02 | 0.4750 | 1784.30 | 0.4700 | 1731.38 | 0.6160 | 1379.12 |
| C.3240    | 2482.08 | 0.4950 | 1725.40 | 0.4900 | 1701.26 | 0.6560 | 1333.39 |
| C.3340    | 2423.08 | 0.5150 | 1676.78 | 0.5100 | 1658.19 | 0.6960 | 1286.04 |
| C.3540    | 2388.70 | 0.5350 | 1626.72 | 0.5300 | 1626.72 | 0.7360 | 1241.87 |
| C.3740    | 2291.53 | 0.5550 | 1575.07 | 0.5500 | 1601.10 | 0.7760 | 1202.98 |
| C.3940    | 2218.18 | 0.5750 | 1521.66 | 0.5700 | 1575.07 | 0.8160 | 1150.26 |
| C.4140    | 2122.93 | 0.5950 | 1459.24 | 0.5900 | 1548.59 | 0.8560 | 1108.16 |
| C.4340    | 2063.68 | 0.6150 | 1394.03 | 0.6100 | 1480.34 | 0.8960 | 1060.49 |
| C.4540    | 1988.16 | 0.6350 | 1348.81 | 0.6300 | 1459.24 | 0.9360 | 1010.58 |
| C.4740    | 1898.81 | 0.6550 | 1302.01 | 0.6500 | 1430.62 | 0.9760 | 970.94  |
| C.4940    | 1815.32 | 0.6750 | 1245.20 | 0.6700 | 1401.42 | 1.0160 | 920.66  |
| C.5140    | 1733.76 | 0.6950 | 1185.67 | 0.6900 | 1371.60 | 1.0560 | 886.34  |
| C.5340    | 1643.16 | 0.7150 | 1132.15 | 0.7100 | 1325.61 | 1.0960 | 833.45  |
| C.5540    | 1575.07 | 0.7350 | 1075.97 | 0.7300 | 1286.04 | 1.1360 | 787.53  |
| C.5740    | 1483.13 | 0.7550 | 1016.70 | 0.7500 | 1253.47 | 1.1760 | 738.77  |
| C.5940    | 1413.18 | 0.7750 | 975.18  | 0.7700 | 1220.04 | 1.2260 | 674.40  |
| C.6140    | 1333.39 | 0.7950 | 909.36  | 0.7900 | 1180.42 | 1.2760 | 630.03  |
| C.6340    | 1251.82 | 0.8150 | 862.70  | 0.8100 | 1144.86 | 1.3160 | 575.13  |
| C.6540    | 1180.42 | 0.8350 | 838.39  | 0.8300 | 1108.16 | 1.3560 | 537.99  |
| C.6740    | 1098.79 | 0.8550 | 774.30  | 0.8500 | 1070.19 | 1.3960 | 498.08  |

| X--- 6.20 |         | 8.20   |        | 11.20  |         | 14.20  |        |
|-----------|---------|--------|--------|--------|---------|--------|--------|
| Y         | U       | Y      | U      | Y      | U       | Y      | U      |
| C.6940    | 1036.83 | 0.8750 | 718.92 | 0.8700 | 1030.84 | 1.4360 | 454.68 |
| C.7140    | 953.75  | 0.8950 | 665.14 | 0.8900 | 998.23  | 1.4760 | 406.68 |
| C.7340    | 879.31  | 0.9150 | 626.74 | 0.9100 | 958.07  | 1.5260 | 352.20 |
| C.7540    | 815.90  | 0.9350 | 582.28 | 0.9300 | 931.82  | 1.5760 | 301.60 |
| C.7740    | 749.88  | 0.9550 | 537.99 | 0.9500 | 886.34  | 1.6260 | 249.04 |
| C.7940    | 674.40  | 0.9750 | 498.08 | 0.9700 | 855.48  | 1.6760 | 192.91 |
| C.8140    | 606.62  | 0.9950 | 445.50 | 0.9900 | 830.96  | 1.7260 | 90.94  |
| C.8340    | 537.99  | 1.0150 | 406.68 | 1.0100 | 792.77  | 1.7660 | 0.00   |
| C.8540    | 476.87  | 1.0350 | 380.41 | 1.0300 | 755.37  |        |        |
| C.8740    | 406.68  | 1.0550 | 334.12 | 1.0500 | 730.33  |        |        |
| C.8940    | 352.20  | 1.0750 | 272.81 | 1.0700 | 695.53  |        |        |
| C.9140    | 287.57  | 1.0950 | 240.60 | 1.0900 | 674.40  |        |        |
| C.9340    | 222.75  | 1.1150 | 203.34 | 1.1100 | 620.10  |        |        |
| C.9540    | 143.78  | 1.1350 | 143.78 | 1.1300 | 589.34  |        |        |
| C.9740    | 0.00    | 1.1550 | 0.00   | 1.1600 | 545.62  |        |        |
|           |         |        |        | 1.1900 | 498.08  |        |        |
|           |         |        |        | 1.2200 | 454.68  |        |        |
|           |         |        |        | 1.2500 | 406.68  |        |        |
|           |         |        |        | 1.2800 | 352.20  |        |        |
|           |         |        |        | 1.3100 | 334.12  |        |        |
|           |         |        |        | 1.3500 | 280.28  |        |        |
|           |         |        |        | 1.3800 | 222.75  |        |        |
|           |         |        |        | 1.4100 | 181.87  |        |        |
|           |         |        |        | 1.4500 | 0.00    |        |        |

TABLE A-13

ALPHA= 53.92

YC= 0.3073

REC= 9784.0

| X--- 18.20 |         | 22.20  |         | 26.20  |         | 32.20  |        |
|------------|---------|--------|---------|--------|---------|--------|--------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U      |
| C.0600     | 1320.39 | 0.0600 | 1074.24 | 0.0600 | 899.69  | 0.0600 | 726.07 |
| C.0760     | 1341.12 | 0.0670 | 1072.12 | 0.0700 | 902.52  | 0.0810 | 727.49 |
| C.0860     | 1356.45 | 0.0870 | 1121.14 | 0.1000 | 953.75  | 0.1010 | 727.49 |
| C.0960     | 1379.12 | 0.1070 | 1153.85 | 0.1100 | 958.07  | 0.1310 | 792.77 |
| C.1060     | 1394.03 | 0.1270 | 1168.10 | 0.1200 | 970.94  | 0.1610 | 818.43 |
| C.1160     | 1401.42 | 0.1470 | 1180.42 | 0.1300 | 985.73  | 0.1910 | 830.96 |
| C.1260     | 1408.78 | 0.1670 | 1185.67 | 0.1400 | 996.16  | 0.2210 | 843.31 |
| C.1360     | 1423.38 | 0.1870 | 1192.62 | 0.1500 | 1006.48 | 0.2610 | 845.76 |
| C.1460     | 1426.28 | 0.2070 | 1202.98 | 0.1600 | 1012.63 | 0.3010 | 855.48 |
| C.1560     | 1430.62 | 0.2270 | 1206.41 | 0.1700 | 1016.70 | 0.3310 | 862.70 |
| C.1760     | 1437.83 | 0.2470 | 1204.69 | 0.2000 | 1016.70 | 0.3710 | 862.70 |
| C.1960     | 1445.00 | 0.2670 | 1206.41 | 0.2300 | 1036.83 | 0.4210 | 862.70 |

| X--- 18.20 |         | 22.20  |         | 26.20  |         | 32.20  |        |
|------------|---------|--------|---------|--------|---------|--------|--------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U      |
| C.2160     | 1440.70 | 0.2870 | 1208.12 | 0.2600 | 1046.76 | 0.4710 | 860.30 |
| C.2360     | 1437.83 | 0.3070 | 1209.83 | 0.2900 | 1046.76 | 0.5210 | 857.89 |
| C.2760     | 1437.83 | 0.3270 | 1206.41 | 0.3200 | 1046.76 | 0.6210 | 848.20 |
| C.3260     | 1403.78 | 0.3570 | 1202.98 | 0.3500 | 1046.76 | 0.7210 | 820.95 |
| C.3760     | 1401.42 | 0.3870 | 1190.89 | 0.4000 | 1036.83 | 0.8210 | 800.55 |
| C.4260     | 1367.07 | 0.4170 | 1180.42 | 0.4500 | 1030.84 | 0.9210 | 779.62 |
| C.4760     | 1333.39 | 0.4570 | 1168.10 | 0.5000 | 1016.70 | 1.0210 | 760.83 |
| C.5260     | 1309.93 | 0.4970 | 1150.26 | 0.5500 | 1006.48 | 1.2210 | 710.24 |
| C.5760     | 1286.04 | 0.5570 | 1126.66 | 0.6000 | 996.16  | 1.4210 | 665.14 |
| C.6260     | 1253.47 | 0.5870 | 1111.88 | 0.6500 | 979.42  | 1.6210 | 610.02 |
| C.6760     | 1220.04 | 0.6270 | 1095.02 | 0.7000 | 964.53  | 1.8210 | 556.87 |
| C.7260     | 1185.67 | 0.6670 | 1079.81 | 0.7500 | 947.22  | 2.0210 | 506.31 |
| C.7760     | 1141.24 | 0.7070 | 1056.59 | 0.8000 | 936.25  | 2.2210 | 440.83 |
| C.8260     | 1098.79 | 0.7570 | 1036.83 | 0.8500 | 920.66  | 2.4210 | 380.41 |
| C.8760     | 1056.59 | 0.7970 | 1014.66 | 0.9000 | 904.81  | 2.6210 | 340.25 |
| C.9260     | 1026.82 | 0.8470 | 989.91  | 0.9500 | 874.60  | 2.8210 | 272.81 |
| C.9760     | 996.16  | 0.8870 | 970.94  | 1.0000 | 862.70  | 3.0210 | 222.75 |
| 1.0260     | 953.75  | 0.9270 | 955.91  | 1.0500 | 843.31  | 3.2210 | 181.87 |
| 1.0760     | 920.66  | 0.9670 | 927.37  | 1.1000 | 825.97  | 3.4210 | 90.94  |
| 1.1260     | 881.66  | 1.0070 | 909.36  | 1.1500 | 813.36  | 3.6210 | 0.00   |
| 1.1760     | 838.39  | 1.0570 | 886.34  | 1.2000 | 792.77  |        |        |
| 1.2260     | 825.97  | 1.1070 | 860.30  | 1.2500 | 768.94  |        |        |
| 1.2760     | 760.83  | 1.1570 | 833.45  | 1.3000 | 747.12  |        |        |
| 1.3260     | 738.77  | 1.1770 | 820.95  | 1.3500 | 733.15  |        |        |
| 1.3760     | 689.56  | 1.2270 | 787.53  | 1.4000 | 718.92  |        |        |
| 1.4260     | 636.55  | 1.2770 | 766.24  | 1.4500 | 695.53  |        |        |
| 1.4760     | 616.76  | 1.3270 | 735.97  | 1.5000 | 674.40  |        |        |
| 1.5260     | 575.13  | 1.3770 | 721.79  | 1.5500 | 655.75  |        |        |
| 1.5760     | 537.99  | 1.4270 | 695.53  | 1.6000 | 636.55  |        |        |
| 1.6260     | 506.31  | 1.4770 | 649.42  | 1.6500 | 610.02  |        |        |
| 1.6760     | 476.87  | 1.5270 | 636.55  | 1.7000 | 592.83  |        |        |
| 1.7260     | 431.35  | 1.5770 | 603.20  | 1.7500 | 564.25  |        |        |
| 1.7760     | 396.38  | 1.6270 | 575.13  | 1.8000 | 537.99  |        |        |
| 1.8260     | 352.20  | 1.6770 | 556.87  | 1.8500 | 530.25  |        |        |
| 1.8760     | 340.25  | 1.7270 | 530.25  | 1.9000 | 518.42  |        |        |
| 1.9260     | 287.57  | 1.7770 | 498.08  | 1.9500 | 489.71  |        |        |
| 1.9760     | 265.12  | 1.8270 | 468.12  | 2.0000 | 463.69  |        |        |
| 2.0260     | 249.04  | 1.8770 | 440.83  | 2.1000 | 431.35  |        |        |
| 2.0760     | 203.34  | 1.9270 | 416.72  | 2.2000 | 406.68  |        |        |
| 2.1260     | 170.13  | 1.9770 | 396.38  | 2.3000 | 352.20  |        |        |
| 2.1760     | 143.78  | 2.0270 | 363.75  | 2.4000 | 321.51  |        |        |
| 2.2260     | 90.94   | 2.0770 | 346.28  | 2.5000 | 272.81  |        |        |
| 2.2760     | 90.94   | 2.1270 | 308.38  | 2.6000 | 249.04  |        |        |
| 2.3260     | 64.30   | 2.2270 | 272.81  | 2.7000 | 203.34  |        |        |
| 2.3760     | 0.00    | 2.3270 | 203.34  | 2.8000 | 170.13  |        |        |
|            |         | 2.4270 | 181.87  | 2.9000 | 111.37  |        |        |
|            |         | 2.4770 | 111.37  | 3.0000 | 64.30   |        |        |
|            |         | 2.5270 | 0.00    | 3.1000 | 0.00    |        |        |

TABLE A-14

ALPHA= 52.92

YC= 0.6058

REC= 18160.0

| X      | C.00    |   | 1.17   |         | 4.17   |         | 7.17   |         |
|--------|---------|---|--------|---------|--------|---------|--------|---------|
|        | Y       | U | Y      | U       | Y      | U       | Y      | U       |
| C.0600 | 3701.13 |   | 0.0600 | 3528.89 | 0.0600 | 3421.38 | 0.0600 | 3049.31 |
| C.0670 | 3699.45 |   | 0.0760 | 3539.52 | 0.0670 | 3450.79 | 0.0700 | 3043.31 |
| C.0770 | 3705.03 |   | 0.0960 | 3682.64 | 0.0970 | 3648.81 | 0.0900 | 3056.87 |
| C.0870 | 3705.03 |   | 0.1160 | 3868.81 | 0.1170 | 3749.40 | 0.1100 | 3083.80 |
| C.0970 | 3760.42 |   | 0.1260 | 3989.82 | 0.1370 | 3858.11 | 0.1300 | 3150.13 |
| C.1070 | 3895.43 |   | 0.1360 | 4076.95 | 0.1570 | 3911.32 | 0.1500 | 3215.09 |
| C.1170 | 3984.63 |   | 0.1460 | 4132.36 | 0.1670 | 3921.88 | 0.1700 | 3234.32 |
| C.1270 | 4092.14 |   | 0.1660 | 4216.55 | 0.1770 | 3937.66 | 0.1900 | 3234.32 |
| C.1370 | 4167.23 |   | 0.1760 | 4279.81 | 0.1970 | 3927.15 | 0.2100 | 3234.32 |
| C.1570 | 4303.90 |   | 0.1860 | 4303.90 | 0.2170 | 3900.74 | 0.2300 | 3215.09 |
| C.1670 | 4337.39 |   | 0.1960 | 4346.91 | 0.2370 | 3858.11 | 0.2500 | 3202.20 |
| C.1870 | 4417.68 |   | 0.2060 | 4375.36 | 0.2570 | 3804.14 | 0.2700 | 3150.13 |
| C.1970 | 4427.03 |   | 0.2260 | 4394.22 | 0.2770 | 3738.36 | 0.2900 | 3117.14 |
| C.2170 | 4464.23 |   | 0.2360 | 4398.92 | 0.2970 | 3637.46 | 0.3100 | 3083.80 |
| C.2370 | 4487.32 |   | 0.2460 | 4394.22 | 0.3170 | 3521.95 | 0.3300 | 3043.31 |
| C.2570 | 4491.93 |   | 0.2660 | 4384.80 | 0.3370 | 3974.24 | 0.3500 | 2981.55 |
| C.2770 | 4464.23 |   | 0.2860 | 4346.91 | 0.3570 | 3310.14 | 0.3700 | 2911.39 |
| C.2970 | 4445.67 |   | 0.3060 | 4274.98 | 0.3770 | 3195.74 | 0.3900 | 2875.66 |
| C.3170 | 4408.31 |   | 0.3260 | 4177.14 | 0.3970 | 3083.80 | 0.4100 | 2839.49 |
| C.3370 | 4337.39 |   | 0.3460 | 4066.80 | 0.4170 | 2932.61 | 0.4500 | 2689.94 |
| C.3570 | 4255.59 |   | 0.3660 | 3974.24 | 0.4370 | 2854.01 | 0.5000 | 2506.94 |
| C.3770 | 4187.03 |   | 0.3860 | 3842.00 | 0.4570 | 2743.21 | 0.5500 | 2318.43 |
| C.3970 | 4087.08 |   | 0.4060 | 3710.61 | 0.4770 | 2627.73 | 0.6000 | 2161.53 |
| C.4170 | 3948.15 |   | 0.4260 | 3557.00 | 0.4970 | 2490.40 | 0.6500 | 1981.91 |
| C.4370 | 3787.80 |   | 0.4560 | 3266.12 | 0.5170 | 2362.60 | 0.7000 | 1818.73 |
| C.4570 | 3562.81 |   | 0.4860 | 3016.02 | 0.5370 | 2273.41 | 0.7500 | 1597.22 |
| C.4770 | 3450.79 |   | 0.5160 | 2802.85 | 0.5570 | 2180.58 | 0.8000 | 1416.10 |
| C.4970 | 3266.12 |   | 0.5460 | 2482.08 | 0.5770 | 2053.63 | 0.8500 | 1261.69 |
| C.5170 | 3097.18 |   | 0.5760 | 2208.84 | 0.5970 | 1824.40 | 0.9000 | 1104.42 |
| C.5370 | 2932.61 |   | 0.6060 | 1971.45 | 0.6170 | 1801.60 | 0.9500 | 909.36  |
| C.5570 | 2712.89 |   | 0.6360 | 1607.54 | 0.6370 | 1701.26 | 1.0000 | 760.83  |
| C.5590 | 2712.89 |   | 0.6460 | 1503.89 | 0.6570 | 1581.61 | 1.0500 | 610.02  |
|        |         |   | 0.6760 | 1250.17 | 0.6770 | 1480.34 | 1.1000 | 380.41  |
|        |         |   | 0.6860 | 1144.86 | 0.6970 | 1386.59 | 1.1500 | 301.60  |
|        |         |   | 0.6960 | 1052.67 | 0.7170 | 1273.11 | 1.2000 | 90.94   |
|        |         |   | 0.7060 | 973.06  | 0.7370 | 1153.85 | 1.2200 | 0.00    |
|        |         |   | 0.7160 | 865.09  | 0.7570 | 1075.97 |        |         |
|        |         |   | 0.7260 | 763.54  | 0.7770 | 996.16  |        |         |
|        |         |   | 0.7360 | 671.33  | 0.7970 | 909.36  |        |         |
|        |         |   | 0.7460 | 571.53  | 0.8170 | 813.36  |        |         |
|        |         |   | 0.7560 | 498.08  | 0.8370 | 733.15  |        |         |
|        |         |   | 0.7660 | 406.68  | 0.8570 | 636.55  |        |         |
|        |         |   | 0.7760 | 321.51  | 0.8770 | 556.87  |        |         |

| X=--- 0.00 |   | 1.17   |        | 4.17   |        | 7.17 |   |
|------------|---|--------|--------|--------|--------|------|---|
| Y          | U | Y      | U      | Y      | U      | Y    | U |
|            |   | 0.7860 | 240.60 | 0.8970 | 476.87 |      |   |
|            |   | 0.7960 | 157.51 | 0.9170 | 406.68 |      |   |
|            |   | 0.8060 | 0.00   | 0.9370 | 308.38 |      |   |
|            |   |        |        | 0.9570 | 249.04 |      |   |
|            |   |        |        | 0.9770 | 170.13 |      |   |
|            |   |        |        | 0.9970 | 0.00   |      |   |

TABLE A-14

ALPHA= 53.92

YC= 0.6058

REC= 18160.0

| X=--- 11.17 |         | 15.17  |         | 20.17  |         | 26.17  |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600      | 2340.80 | 0.0600 | 1852.80 | 0.0600 | 1411.55 | 0.0600 | 1068.42 |
| C.0800      | 2380.03 | 0.0730 | 1852.52 | 0.0770 | 1437.83 | 0.0750 | 1075.97 |
| C.0900      | 2397.34 | 0.0930 | 1905.33 | 0.0970 | 1481.73 | 0.0950 | 1113.74 |
| C.1000      | 2423.08 | 0.1130 | 1932.27 | 0.1170 | 1506.64 | 0.1150 | 1159.22 |
| C.1100      | 2431.59 | 0.1230 | 1945.06 | 0.1470 | 1524.37 | 0.1350 | 1168.10 |
| C.1300      | 2473.74 | 0.1430 | 1968.31 | 0.1770 | 1548.59 | 0.1550 | 1194.35 |
| C.1500      | 2482.08 | 0.1630 | 1979.83 | 0.2170 | 1563.21 | 0.1750 | 1197.81 |
| C.1700      | 2498.68 | 0.1830 | 1982.96 | 0.2570 | 1564.53 | 0.1950 | 1206.41 |
| C.1900      | 2473.74 | 0.2030 | 1998.53 | 0.2870 | 1571.12 | 0.2150 | 1223.42 |
| C.2100      | 2465.37 | 0.2330 | 2002.67 | 0.3270 | 1557.91 | 0.2350 | 1236.87 |
| C.2300      | 2465.37 | 0.2530 | 1984.00 | 0.3670 | 1548.59 | 0.2550 | 1236.87 |
| C.2500      | 2456.97 | 0.2730 | 1981.91 | 0.4070 | 1539.22 | 0.2750 | 1240.21 |
| C.2800      | 2423.08 | 0.3030 | 1978.78 | 0.4470 | 1535.18 | 0.2950 | 1245.20 |
| C.3100      | 2405.95 | 0.3330 | 1957.77 | 0.4870 | 1506.64 | 0.3150 | 1245.20 |
| C.3400      | 2388.70 | 0.3630 | 1939.74 | 0.5270 | 1487.30 | 0.3350 | 1245.20 |
| C.3700      | 2336.20 | 0.4030 | 1909.66 | 0.5770 | 1469.12 | 0.3550 | 1245.20 |
| C.4000      | 2291.53 | 0.4330 | 1894.45 | 0.6270 | 1452.14 | 0.3750 | 1240.21 |
| C.4300      | 2245.96 | 0.4630 | 1858.09 | 0.6670 | 1430.62 | 0.3950 | 1236.87 |
| C.4600      | 2190.04 | 0.5030 | 1835.70 | 0.7070 | 1396.99 | 0.4150 | 1236.87 |
| C.4900      | 2132.65 | 0.5430 | 1784.30 | 0.7470 | 1379.12 | 0.4350 | 1236.87 |
| C.5200      | 2113.17 | 0.5830 | 1766.84 | 0.7870 | 1364.05 | 0.4650 | 1236.87 |
| C.5500      | 2063.68 | 0.6230 | 1713.37 | 0.8270 | 1341.12 | 0.5150 | 1236.87 |
| C.5800      | 2020.14 | 0.6630 | 1687.84 | 0.8670 | 1317.79 | 0.5650 | 1236.87 |
| C.6100      | 1849.16 | 0.7030 | 1639.38 | 0.9070 | 1119.29 | 0.6150 | 1220.04 |
| C.6400      | 1900.98 | 0.7430 | 1590.74 | 0.9470 | 1261.69 | 0.6650 | 1211.54 |
| C.6700      | 1840.20 | 0.7830 | 1556.58 | 0.9870 | 1240.21 | 0.7150 | 1202.98 |
| C.7000      | 1787.77 | 0.8230 | 1503.89 | 1.0270 | 1220.04 | 0.7650 | 1194.35 |
| C.7300      | 1713.37 | 0.8630 | 1459.24 | 1.0670 | 1214.95 | 0.8150 | 1176.92 |
| C.7600      | 1651.94 | 0.9030 | 1426.28 | 1.1070 | 1171.63 | 0.8650 | 1168.10 |

| X--- 11.17 |         | 15.17  |         | 20.17  |         | 26.17  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.7900     | 1601.10 | 0.9430 | 1367.07 | 1.1470 | 1141.24 | 0.9150 | 1159.22 |
| 0.8200     | 1544.58 | 0.9930 | 1317.79 | 1.1870 | 1104.42 | 0.9650 | 1135.80 |
| C.8500     | 1474.74 | 1.0330 | 1264.96 | 1.2270 | 1075.97 | 1.0150 | 1113.74 |
| C.8800     | 1427.73 | 1.0730 | 1211.54 | 1.2670 | 1046.76 | 1.1150 | 1081.72 |
| C.9100     | 1364.05 | 1.1130 | 1178.67 | 1.3070 | 1016.70 | 1.2150 | 1089.34 |
| C.9400     | 1303.60 | 1.1530 | 1126.66 | 1.3470 | 985.73  | 1.3150 | 1036.83 |
| C.9700     | 1245.20 | 1.2130 | 1050.70 | 1.3870 | 960.23  | 1.4150 | 989.91  |
| 1.0100     | 1171.63 | 1.2530 | 1020.76 | 1.4270 | 931.82  | 1.5150 | 949.40  |
| 1.0400     | 1113.74 | 1.3030 | 953.75  | 1.4670 | 909.36  | 1.6150 | 904.81  |
| 1.0800     | 1036.83 | 1.3430 | 909.36  | 1.5070 | 886.34  | 1.7150 | 838.39  |
| 1.1200     | 947.22  | 1.3930 | 853.06  | 1.5470 | 862.70  | 1.8150 | 800.55  |
| 1.1600     | 879.31  | 1.4330 | 795.37  | 1.5870 | 838.39  | 1.9150 | 766.24  |
| 1.2000     | 813.36  | 1.4730 | 747.12  | 1.6270 | 813.36  | 2.0150 | 704.39  |
| 1.2400     | 733.15  | 1.5130 | 713.14  | 1.6670 | 787.53  | 2.1150 | 668.24  |
| 1.2800     | 655.75  | 1.5630 | 649.42  | 1.7070 | 760.83  | 2.2150 | 636.55  |
| 1.3200     | 599.77  | 1.6130 | 610.02  | 1.7470 | 727.49  | 2.3150 | 582.28  |
| 1.3600     | 510.38  | 1.6630 | 553.14  | 1.7870 | 695.53  | 2.4150 | 537.99  |
| 1.4000     | 454.68  | 1.7130 | 506.31  | 1.8270 | 665.14  | 2.5150 | 498.08  |
| 1.4400     | 358.02  | 1.7630 | 454.68  | 1.8670 | 643.02  | 2.6150 | 454.68  |
| 1.4800     | 287.57  | 1.8130 | 1236.87 | 1.9070 | 626.74  | 2.7150 | 406.68  |
| 1.5200     | 203.34  | 1.8630 | 352.20  | 1.9470 | 603.20  | 2.8150 | 352.20  |
| 1.5600     | 90.94   | 1.9130 | 287.57  | 1.9870 | 545.62  | 2.9150 | 287.57  |
| 1.6000     | 0.00    | 1.9630 | 203.34  | 2.0270 | 522.39  | 3.0150 | 249.04  |
|            |         | 2.0130 | 181.87  | 2.0670 | 498.08  | 3.1150 | 222.75  |
|            |         | 2.0630 | 90.94   | 2.1070 | 476.87  | 3.2150 | 203.34  |
|            |         | 2.1130 | 0.00    | 2.1470 | 454.68  | 3.3150 | 143.78  |
|            |         |        |         | 2.1870 | 421.65  | 3.4150 | 90.94   |
|            |         |        |         | 2.2270 | 380.41  | 3.5150 | 0.00    |
|            |         |        |         | 2.2670 | 363.75  |        |         |
|            |         |        |         | 2.3070 | 352.20  |        |         |
|            |         |        |         | 2.3470 | 334.12  |        |         |
|            |         |        |         | 2.3870 | 321.51  |        |         |
|            |         |        |         | 2.4270 | 287.57  |        |         |
|            |         |        |         | 2.4670 | 249.04  |        |         |
|            |         |        |         | 2.5070 | 222.75  |        |         |
|            |         |        |         | 2.5470 | 203.34  |        |         |
|            |         |        |         | 2.5870 | 181.87  |        |         |
|            |         |        |         | 2.6270 | 170.13  |        |         |
|            |         |        |         | 2.6670 | 128.60  |        |         |
|            |         |        |         | 2.7070 | 90.94   |        |         |
|            |         |        |         | 2.7270 | 64.30   |        |         |
|            |         |        |         | 2.7470 | 0.00    |        |         |

TABLE A-14

ALPHA= 53.92

YC= 0.6058

REC= 18160.0

X--- 32.17

| Y      | U       |
|--------|---------|
| C.0600 | 864.40  |
| C.0940 | 867.48  |
| C.1240 | 925.14  |
| C.1640 | 962.38  |
| C.1940 | 979.42  |
| C.2340 | 989.91  |
| C.2840 | 1016.70 |
| C.3440 | 1016.70 |
| C.3940 | 1020.76 |
| C.4440 | 1030.84 |
| C.5440 | 1016.70 |
| C.6440 | 1012.63 |
| C.8640 | 981.52  |
| 1.0640 | 947.22  |
| 1.2640 | 909.36  |
| 1.4640 | 830.96  |
| 1.7640 | 766.24  |
| 2.0640 | 695.53  |
| 2.3640 | 589.34  |
| 2.6640 | 506.31  |
| 2.9640 | 421.65  |
| 3.2640 | 346.28  |
| 3.5640 | 249.04  |
| 3.7640 | 90.94   |
| 3.9640 | 64.30   |

TABLE A-15

ALPHA= 53.92

YC= 1.2725

REC= 31680.0

X--- 0.00

| Y      |         | U      |         | Y      |         | U      |         | Y      |         | U      |         | Y      |         | U      |         |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
|        |         |        |         |        |         |        |         |        |         |        |         |        |         |        |         |
| C.0600 | 3089.87 | 0.0600 | 3008.19 | 0.0600 | 2808.37 | 0.0600 | 2340.80 | 0.0600 | 2340.80 | 0.0600 | 2340.80 | 0.0600 | 2340.80 | 0.0600 | 2340.80 |
| C.0700 | 3097.18 | 0.0780 | 3029.70 | 0.0850 | 2861.25 | 0.0800 | 2405.95 | 0.0800 | 2405.95 | 0.0800 | 2405.95 | 0.0800 | 2405.95 | 0.0800 | 2405.95 |
| C.0800 | 3097.18 | 0.1080 | 3202.20 | 0.1050 | 2911.39 | 0.1100 | 2448.54 | 0.1100 | 2448.54 | 0.1100 | 2448.54 | 0.1100 | 2448.54 | 0.1100 | 2448.54 |
| C.0900 | 3097.18 | 0.1280 | 3310.14 | 0.1250 | 2981.55 | 0.1400 | 2490.40 | 0.1400 | 2490.40 | 0.1400 | 2490.40 | 0.1400 | 2490.40 | 0.1400 | 2490.40 |
| C.1100 | 3117.14 | 0.1480 | 3372.01 | 0.1450 | 3016.02 | 0.1700 | 2531.56 | 0.1700 | 2531.56 | 0.1700 | 2531.56 | 0.1700 | 2531.56 | 0.1700 | 2531.56 |
| C.1300 | 3310.14 | 0.1680 | 3426.75 | 0.1650 | 3029.70 | 0.1900 | 2490.40 | 0.1900 | 2490.40 | 0.1900 | 2490.40 | 0.1900 | 2490.40 | 0.1900 | 2490.40 |
| C.1500 | 3510.19 | 0.1880 | 3450.79 | 0.1850 | 3050.10 | 0.2200 | 2465.37 | 0.2200 | 2465.37 | 0.2200 | 2465.37 | 0.2200 | 2465.37 | 0.2200 | 2465.37 |
| C.1600 | 3580.17 | 0.2080 | 3450.79 | 0.2150 | 3056.87 | 0.2500 | 2448.54 | 0.2500 | 2448.54 | 0.2500 | 2448.54 | 0.2500 | 2448.54 | 0.2500 | 2448.54 |
| C.1700 | 3637.46 | 0.2280 | 3492.48 | 0.2550 | 3050.10 | 0.2800 | 2423.08 | 0.2800 | 2423.08 | 0.2800 | 2423.08 | 0.2800 | 2423.08 | 0.2800 | 2423.08 |
| C.1800 | 3660.12 | 0.2480 | 3462.76 | 0.2950 | 2988.48 | 0.3400 | 2362.60 | 0.3400 | 2362.60 | 0.3400 | 2362.60 | 0.3400 | 2362.60 | 0.3400 | 2362.60 |
| C.1900 | 3693.85 | 0.2780 | 3450.79 | 0.3450 | 2953.68 | 0.3900 | 2318.43 | 0.3900 | 2318.43 | 0.3900 | 2318.43 | 0.3900 | 2318.43 | 0.3900 | 2318.43 |
| C.2000 | 3705.03 | 0.3180 | 3372.01 | 0.3950 | 2854.01 | 0.4400 | 2273.41 | 0.4400 | 2273.41 | 0.4400 | 2273.41 | 0.4400 | 2273.41 | 0.4400 | 2273.41 |
| C.2100 | 3721.73 | 0.3580 | 3297.62 | 0.4450 | 2705.26 | 0.4900 | 2199.46 | 0.4900 | 2199.46 | 0.4900 | 2199.46 | 0.4900 | 2199.46 | 0.4900 | 2199.46 |
| C.2300 | 3749.40 | 0.3880 | 3215.09 | 0.4750 | 2674.52 | 0.5400 | 2151.95 | 0.5400 | 2151.95 | 0.5400 | 2151.95 | 0.5400 | 2151.95 | 0.5400 | 2151.95 |
| C.2500 | 3749.40 | 0.4080 | 3130.38 | 0.5050 | 2596.07 | 0.5900 | 2103.37 | 0.5900 | 2103.37 | 0.5900 | 2103.37 | 0.5900 | 2103.37 | 0.5900 | 2103.37 |



| X---. 0.00 |         | 3.20   |         | 6.20   |         | 10.20  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.2700     | 3776.87 | 0.4280 | 3070.37 | 0.5350 | 2490.40 | 0.6400 | 2028.31 |
| C.2900     | 3749.40 | 0.4480 | 3002.28 | 0.5750 | 2388.70 | 0.6900 | 1934.40 |
| C.3100     | 3721.73 | 0.4680 | 2960.68 | 0.6150 | 2291.53 | 0.7400 | 1846.93 |
| 0.3300     | 3693.85 | 0.4880 | 2890.00 | 0.6550 | 2180.58 | 0.7900 | 1766.84 |
| C.3400     | 3693.85 | 0.5080 | 2817.56 | 0.6850 | 2113.17 | 0.8400 | 1682.94 |
| C.3500     | 3637.46 | 0.5280 | 2773.19 | 0.7150 | 2053.63 | 0.8900 | 1588.14 |
| C.3700     | 3608.93 | 0.5480 | 2712.89 | 0.7350 | 1987.12 | 0.9400 | 1510.75 |
| C.3900     | 3580.17 | 0.5680 | 2635.59 | 0.7750 | 1885.70 | 0.9900 | 1430.62 |
| C.4100     | 3551.18 | 0.5880 | 2531.56 | 0.8150 | 1792.39 | 1.0400 | 1348.81 |
| C.4300     | 3521.95 | 0.6080 | 2490.40 | 0.8550 | 1686.62 | 1.0900 | 1269.86 |
| C.4500     | 3492.48 | 0.6280 | 2423.08 | 0.9050 | 1559.23 | 1.1400 | 1194.35 |
| 0.4700     | 3402.53 | 0.6480 | 2362.60 | 0.9550 | 1449.29 | 1.1900 | 1113.74 |
| C.4900     | 3390.36 | 0.6680 | 2300.53 | 0.9950 | 1345.74 | 1.2400 | 1046.76 |
| C.5100     | 3365.88 | 0.6880 | 2227.48 | 1.0350 | 1245.20 | 1.2900 | 975.18  |
| 0.5300     | 3278.76 | 0.7080 | 2132.65 | 1.0750 | 1157.43 | 1.3400 | 886.34  |
| 0.5500     | 3247.08 | 0.7280 | 2122.93 | 1.1150 | 1070.19 | 1.3900 | 787.53  |
| 0.5700     | 3215.09 | 0.7480 | 2083.62 | 1.1550 | 989.91  | 1.4400 | 718.92  |
| C.5900     | 3150.13 | 0.7680 | 1992.32 | 1.1950 | 909.36  | 1.4900 | 643.02  |
| C.6100     | 3070.37 | 0.7880 | 1929.05 | 1.2450 | 792.77  | 1.5400 | 575.13  |
| 0.6300     | 3016.02 | 0.8080 | 1852.52 | 1.2950 | 698.50  | 1.5900 | 518.42  |
| 0.6500     | 2981.55 | 0.8280 | 1793.55 | 1.3350 | 610.02  | 1.6400 | 445.50  |
| C.6700     | 2946.68 | 0.8580 | 1701.26 | 1.3850 | 518.42  | 1.6900 | 352.20  |
| C.6900     | 2861.25 | 0.8880 | 1610.11 | 1.4350 | 431.35  | 1.7400 | 321.51  |
| C.7300     | 2651.23 | 0.9180 | 1508.01 | 1.4850 | 352.20  | 1.7900 | 203.34  |
| C.7700     | 2531.56 | 0.9480 | 1427.73 | 1.5450 | 222.75  | 1.8400 | 90.94   |
| C.8100     | 2380.03 | 0.9780 | 1345.74 | 1.5850 | 90.94   | 1.8700 | 0.00    |
| C.8700     | 2132.65 | 1.0080 | 1253.47 | 1.6450 | 0.00    |        |         |
| C.9300     | 1950.37 | 1.0380 | 1168.10 |        |         |        |         |
| 1.0300     | 1535.18 | 1.0680 | 1091.24 |        |         |        |         |
| 1.1300     | 1150.26 | 1.1080 | 985.73  |        |         |        |         |
| 1.2300     | 813.36  | 1.1480 | 886.34  |        |         |        |         |
|            |         | 1.1880 | 787.53  |        |         |        |         |
|            |         | 1.2280 | 683.54  |        |         |        |         |
|            |         | 1.2680 | 603.20  |        |         |        |         |
|            |         | 1.3080 | 498.08  |        |         |        |         |
|            |         | 1.3480 | 406.68  |        |         |        |         |
|            |         | 1.3980 | 294.67  |        |         |        |         |
|            |         | 1.4480 | 192.91  |        |         |        |         |
|            |         | 1.4980 | 0.00    |        |         |        |         |

A=70

TABLE A-15

ALPHA= 53.92

YC= 1.2725

REC= 31680.0

X---- 14.20

20.20

27.20

34.20

| Y      | U       | Y      | U       | Y      | U       | Y      | U      |
|--------|---------|--------|---------|--------|---------|--------|--------|
| C.0600 | 1900.36 | 0.0600 | 1398.26 | 0.0600 | 1022.77 | 0.0600 | 814.96 |
| C.0700 | 1902.07 | 0.0840 | 1434.95 | 0.0800 | 1036.83 | 0.0920 | 862.70 |
| C.0900 | 1905.33 | 0.1140 | 1487.30 | 0.1000 | 1075.97 | 0.1220 | 909.36 |
| C.1500 | 1950.37 | 0.1440 | 1514.85 | 0.1300 | 1117.45 | 0.1520 | 927.37 |
| C.1800 | 2023.21 | 0.1840 | 1535.18 | 0.1600 | 1141.24 | 0.1920 | 949.40 |
| C.2100 | 2033.40 | 0.2140 | 1552.59 | 0.1900 | 1159.22 | 0.2420 | 953.75 |
| C.2500 | 2033.40 | 0.2440 | 1557.91 | 0.2200 | 1168.10 | 0.2820 | 975.18 |
| C.3000 | 2053.63 | 0.2840 | 1561.88 | 0.2500 | 1185.67 | 0.3220 | 979.42 |
| C.3500 | 2033.40 | 0.3240 | 1571.12 | 0.3000 | 1194.35 | 0.3620 | 975.18 |
| C.3800 | 2028.31 | 0.3640 | 1561.88 | 0.3300 | 1194.35 | 0.4120 | 989.91 |
| C.4100 | 2023.21 | 0.4040 | 1559.23 | 0.3600 | 1197.81 | 0.4620 | 989.91 |
| C.4400 | 2002.67 | 0.4440 | 1541.90 | 0.4000 | 1202.98 | 0.5120 | 987.82 |
| C.4700 | 1981.91 | 0.4840 | 1539.22 | 0.4500 | 1202.98 | 0.5620 | 985.73 |
| C.5000 | 1960.94 | 0.5440 | 1518.94 | 0.5000 | 1199.53 | 0.6320 | 979.42 |
| C.5300 | 1939.74 | 0.5940 | 1498.38 | 0.5500 | 1194.35 | 0.6420 | 975.18 |
| C.5600 | 1918.31 | 0.6440 | 1483.13 | 0.6000 | 1185.67 | 0.7120 | 970.94 |
| C.5900 | 1896.63 | 0.6940 | 1469.12 | 0.6500 | 1176.92 | 0.8120 | 949.40 |
| C.6200 | 1874.70 | 0.7440 | 1423.38 | 0.7000 | 1168.10 | 1.0120 | 920.66 |
| C.6500 | 1852.52 | 0.7940 | 1408.78 | 0.7500 | 1159.22 | 1.2120 | 886.34 |
| C.6800 | 1824.40 | 0.8440 | 1391.06 | 0.8000 | 1150.26 | 1.4120 | 845.76 |
| 0.7100 | 1795.85 | 0.8940 | 1356.45 | 0.8500 | 1141.24 | 1.6120 | 803.13 |
| C.7400 | 1766.84 | 0.9440 | 1338.03 | 0.9000 | 1132.15 | 1.9120 | 733.15 |
| C.7700 | 1737.34 | 0.9940 | 1305.18 | 0.9500 | 1113.74 | 2.2120 | 652.59 |
| C.8000 | 1713.37 | 1.0440 | 1269.86 | 1.0000 | 1095.02 | 2.5120 | 567.90 |
| 0.8300 | 1685.39 | 1.0940 | 1253.47 | 1.0500 | 1075.97 | 2.7120 | 506.31 |
| 0.8600 | 1658.19 | 1.1440 | 1213.24 | 1.1000 | 1056.59 | 2.9120 | 454.68 |
| C.8900 | 1626.72 | 1.1940 | 1189.15 | 1.1500 | 1050.70 | 3.1120 | 416.72 |
| C.9200 | 1594.63 | 1.2440 | 1162.78 | 1.2000 | 1036.83 | 3.3120 | 352.20 |
| C.9500 | 1555.25 | 1.2940 | 1113.74 | 1.2500 | 1026.82 | 3.5120 | 287.57 |
| 0.9800 | 1514.85 | 1.3440 | 1098.79 | 1.3000 | 1016.70 | 3.7120 | 257.21 |
| 1.0100 | 1487.30 | 1.3940 | 1070.19 | 1.3500 | 996.16  | 3.9120 | 203.34 |
| 1.0800 | 1459.24 | 1.4440 | 1032.84 | 1.4000 | 975.18  | 4.1120 | 111.37 |
| 1.1000 | 1386.59 | 1.4940 | 1012.63 | 1.4500 | 953.75  | 4.3120 | 0.00   |
| 1.1400 | 1364.05 | 1.5440 | 973.06  | 1.5000 | 931.82  |        |        |
| 1.1700 | 1320.93 | 1.5940 | 934.04  | 1.5500 | 942.85  |        |        |
| 1.2000 | 1277.97 | 1.6440 | 904.81  | 1.6000 | 897.93  |        |        |
| 1.2300 | 1150.26 | 1.6940 | 867.48  | 1.6500 | 874.60  |        |        |
| 1.2600 | 1202.98 | 1.7440 | 823.46  | 1.7000 | 850.63  |        |        |
| 1.2900 | 1182.17 | 1.7940 | 800.55  | 1.7500 | 838.39  |        |        |
| 1.3200 | 1159.22 | 1.8440 | 766.24  | 1.8000 | 825.97  |        |        |
| 1.3500 | 1130.32 | 1.8940 | 735.97  | 1.8500 | 813.36  |        |        |
| 1.3800 | 1070.19 | 1.9440 | 710.24  | 1.9000 | 800.55  |        |        |
| 1.4100 | 1046.76 | 1.9940 | 683.54  | 1.9500 | 787.53  |        |        |

| X--- 14.20 |         | 20.20  |        | 27.20  |        | 34.20 |   |
|------------|---------|--------|--------|--------|--------|-------|---|
| Y          | U       | Y      | U      | Y      | U      | Y     | U |
| 1.4400     | 1020.76 | 2.0440 | 643.02 | 2.0000 | 774.30 |       |   |
| 1.4700     | 981.52  | 2.0940 | 610.02 | 2.0500 | 727.49 |       |   |
| 1.5000     | 942.85  | 2.1440 | 564.25 | 2.1000 | 680.51 |       |   |
| 1.5300     | 913.90  | 2.1940 | 545.62 | 2.1500 | 674.40 |       |   |
| 1.5600     | 886.34  | 2.2440 | 526.33 | 2.2000 | 658.90 |       |   |
| 1.6100     | 825.97  | 2.2940 | 485.47 | 2.2500 | 649.42 |       |   |
| 1.6500     | 787.53  | 2.3440 | 450.11 | 2.3000 | 626.74 |       |   |
| 1.6800     | 760.83  | 2.3940 | 421.65 | 2.3500 | 603.20 |       |   |
| 1.7100     | 733.15  | 2.4440 | 380.41 | 2.4000 | 582.28 |       |   |
| 1.7400     | 689.56  | 2.4940 | 352.20 | 2.4500 | 567.90 |       |   |
| 1.7700     | 643.02  | 2.5440 | 334.12 | 2.5000 | 553.14 |       |   |
| 1.8000     | 616.76  | 2.5940 | 287.57 | 2.5500 | 537.99 |       |   |
| 1.8300     | 592.83  | 2.6440 | 272.81 | 2.6000 | 518.42 |       |   |
| 1.8600     | 564.25  | 2.6940 | 222.75 | 2.6500 | 498.08 |       |   |
| 1.8900     | 537.99  | 2.7440 | 192.91 | 2.7000 | 476.87 |       |   |
| 1.9200     | 498.08  | 2.7940 | 170.13 | 2.7500 | 454.68 |       |   |
| 1.9500     | 454.68  | 2.8440 | 90.94  | 2.8000 | 431.35 |       |   |
| 2.0100     | 406.68  | 2.9440 | 0.00   | 2.9000 | 396.38 |       |   |
| 2.0400     | 380.41  |        |        | 3.0000 | 352.20 |       |   |
| 2.0700     | 352.20  |        |        | 3.1000 | 321.51 |       |   |
| 2.1100     | 265.12  |        |        | 3.2000 | 287.57 |       |   |
| 2.1500     | 203.34  |        |        | 3.3000 | 249.04 |       |   |
| 2.2100     | 181.87  |        |        | 3.4000 | 203.34 |       |   |
| 2.2500     | 143.78  |        |        | 3.5000 | 181.87 |       |   |
| 2.3000     | 0.00    |        |        | 3.6000 | 128.60 |       |   |
|            |         |        |        | 3.7000 | 64.30  |       |   |
|            |         |        |        | 3.8000 | 0.00   |       |   |

TABLE A-16

ALPHA= 70.08

YC= 0.1016

REC= 3622.0

| X--- 0.00 |         | 0.77   |         | 1.27   |         | 2.27   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600    | 5351.82 | 0.0600 | 4725.72 | 0.0600 | 3136.54 | 0.0600 | 2725.86 |
| 0.0650    | 5341.31 | 0.0730 | 4725.20 | 0.0650 | 3136.98 | 0.0670 | 2728.09 |
| 0.0650    | 5341.31 | 0.0730 | 4725.20 | 0.0650 | 3136.98 | 0.0670 | 2728.09 |
| 0.0700    | 5341.31 | 0.0780 | 4725.20 | 0.0700 | 3143.56 | 0.0770 | 2728.09 |
| 0.0750    | 5302.46 | 0.0830 | 4846.15 | 0.0750 | 3143.56 | 0.0870 | 2743.21 |
| 0.0850    | 5302.46 | 0.0880 | 5079.43 | 0.0800 | 3234.32 | 0.0970 | 2728.09 |
| 0.1000    | 5302.46 | 0.0930 | 5144.14 | 0.0820 | 3310.14 | 0.1070 | 2705.26 |

| X----- 0.00 |         | 0.77   |         | 1.27   |         | 2.27   |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| C.1100      | 5184.17 | 0.0980 | 5111.89 | 0.0840 | 3384.25 | 0.1170 | 2682.24 |
| C.1150      | 4811.90 | 0.1030 | 5063.13 | 0.0900 | 3693.85 | 0.1270 | 2659.02 |
| C.1400      | 4066.80 | 0.1080 | 5013.89 | 0.0950 | 3911.32 | 0.1370 | 2635.59 |
| C.1800      | 1423.38 | 0.1130 | 4972.48 | 0.1000 | 4005.33 | 0.1470 | 2580.10 |
| C.2000      | 0.00    | 0.1180 | 4947.48 | 0.1050 | 4102.23 | 0.1570 | 2523.38 |
|             |         | 0.1230 | 4939.11 | 0.1100 | 4177.14 | 0.1670 | 2482.08 |
|             |         | 0.1280 | 4939.11 | 0.1150 | 4177.14 | 0.1770 | 2414.53 |
|             |         | 0.1330 | 4897.08 | 0.1200 | 4206.73 | 0.1870 | 2331.77 |
|             |         | 0.1430 | 4725.20 | 0.1250 | 4187.03 | 0.1970 | 2300.53 |
|             |         | 0.1530 | 4323.07 | 0.1300 | 4187.03 | 0.2070 | 2208.84 |
|             |         | 0.1580 | 3916.61 | 0.1350 | 4142.35 | 0.2170 | 2151.95 |
|             |         | 0.1630 | 3521.95 | 0.1400 | 4137.36 | 0.2270 | 2113.17 |
|             |         | 0.1680 | 3097.18 | 0.1450 | 4117.32 | 0.2470 | 1979.83 |
|             |         | 0.1730 | 2596.07 | 0.1550 | 3953.38 | 0.2570 | 1896.63 |
|             |         | 0.1780 | 2132.65 | 0.1650 | 3793.26 | 0.2670 | 1818.73 |
|             |         | 0.1830 | 1760.98 | 0.1700 | 3637.46 | 0.2770 | 1713.37 |
|             |         | 0.1860 | 1528.44 | 0.1750 | 3462.76 | 0.2870 | 1636.86 |
|             |         | 0.1880 | 1351.87 | 0.1850 | 3328.82 | 0.2970 | 1575.07 |
|             |         | 0.1910 | 1135.80 | 0.1950 | 3002.28 | 0.3070 | 1494.24 |
|             |         | 0.1930 | 1016.70 | 0.2050 | 2689.94 | 0.3170 | 1408.78 |
|             |         | 0.1980 | 671.33  | 0.2150 | 2506.94 | 0.3270 | 1344.20 |
|             |         | 0.2030 | 406.68  | 0.2350 | 1907.50 | 0.3370 | 1180.42 |
|             |         | 0.2080 | 203.34  | 0.2450 | 1607.54 | 0.3470 | 1175.16 |
|             |         | 0.2130 | 0.00    | 0.2550 | 1236.87 | 0.3570 | 989.91  |
|             |         |        |         | 0.2650 | 1046.76 | 0.3670 | 1026.82 |
|             |         |        |         | 0.2750 | 782.26  | 0.3770 | 931.82  |
|             |         |        |         | 0.2850 | 575.13  | 0.3870 | 752.63  |
|             |         |        |         | 0.2950 | 406.68  | 0.3970 | 774.30  |
|             |         |        |         | 0.3050 | 143.78  | 0.4070 | 701.45  |
|             |         |        |         | 0.3150 | 0.00    | 0.4170 | 643.02  |
|             |         |        |         |        |         | 0.4270 | 582.28  |
|             |         |        |         |        |         | 0.4370 | 485.47  |
|             |         |        |         |        |         | 0.4470 | 363.75  |
|             |         |        |         |        |         | 0.4570 | 231.84  |
|             |         |        |         |        |         | 0.4670 | 143.78  |
|             |         |        |         |        |         | 0.4770 | 0.00    |

TABLE A-16

ALPHA= 70.08

YC= 0.1016

REC= 3622.0

| X=--- 3.27 |         | 4.27   |         | 5.27   |         | 6.27   |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600     | 2136.85 | 0.0600 | 1822.31 | 0.0600 | 1617.14 | 0.0600 | 1429.09 |
| C.0710     | 2142.32 | 0.0650 | 1821.00 | 0.0730 | 1626.72 | 0.0650 | 1426.28 |
| C.0910     | 2151.95 | 0.0750 | 1823.27 | 0.0830 | 1626.72 | 0.0750 | 1426.28 |
| C.1010     | 2151.95 | 0.1000 | 1874.70 | 0.0930 | 1660.68 | 0.0950 | 1437.83 |
| C.1110     | 2151.95 | 0.1050 | 1876.91 | 0.1030 | 1660.68 | 0.1150 | 1459.24 |
| C.1210     | 2142.32 | 0.1150 | 1874.70 | 0.1130 | 1676.78 | 0.1350 | 1473.34 |
| C.1310     | 2142.32 | 0.1350 | 1880.21 | 0.1230 | 1679.25 | 0.1550 | 1487.30 |
| C.1510     | 2113.17 | 0.1550 | 1863.64 | 0.1330 | 1679.25 | 0.1750 | 1480.34 |
| C.1610     | 2113.17 | 0.1750 | 1852.52 | 0.1530 | 1680.48 | 0.1950 | 1473.34 |
| C.1710     | 2103.37 | 0.1950 | 1827.80 | 0.1730 | 1673.08 | 0.2150 | 1466.31 |
| C.2010     | 2006.79 | 0.2250 | 1763.32 | 0.1930 | 1664.41 | 0.2350 | 1463.48 |
| C.2110     | 1979.83 | 0.2450 | 1734.96 | 0.2130 | 1645.67 | 0.2550 | 1450.71 |
| C.2210     | 1949.31 | 0.2850 | 1658.19 | 0.2330 | 1633.06 | 0.2750 | 1427.73 |
| C.2310     | 1927.98 | 0.3050 | 1624.18 | 0.2530 | 1612.68 | 0.2950 | 1408.78 |
| C.2510     | 1869.18 | 0.3350 | 1548.59 | 0.2730 | 1581.61 | 0.3150 | 1394.03 |
| C.2610     | 1839.08 | 0.3650 | 1480.34 | 0.2930 | 1551.26 | 0.3350 | 1379.12 |
| C.2810     | 1765.67 | 0.4050 | 1364.05 | 0.3130 | 1521.66 | 0.3550 | 1348.81 |
| C.3010     | 1695.18 | 0.4250 | 1325.61 | 0.3330 | 1484.52 | 0.3750 | 1325.61 |
| C.3210     | 1616.52 | 0.4550 | 1269.86 | 0.3530 | 1466.31 | 0.3950 | 1309.93 |
| C.3310     | 1588.14 | 0.4950 | 1150.26 | 0.3730 | 1437.83 | 0.4150 | 1266.60 |
| C.3410     | 1544.58 | 0.5250 | 1075.97 | 0.3940 | 1379.12 | 0.4350 | 1236.87 |
| C.3610     | 1480.34 | 0.5550 | 996.16  | 0.4130 | 1364.05 | 0.4550 | 1220.04 |
| C.3710     | 1423.38 | 0.5750 | 953.75  | 0.4330 | 1333.39 | 0.4750 | 1202.98 |
| C.3910     | 1356.45 | 0.5950 | 909.36  | 0.4530 | 1309.93 | 0.4950 | 1176.92 |
| C.4010     | 1298.83 | 0.6150 | 843.31  | 0.4730 | 1266.60 | 0.5150 | 1150.26 |
| C.4210     | 1225.11 | 0.6350 | 813.36  | 0.4930 | 1220.04 | 0.5350 | 1122.98 |
| C.4410     | 1155.64 | 0.6550 | 766.24  | 0.5130 | 1194.35 | 0.5550 | 1085.54 |
| C.4510     | 1128.49 | 0.6750 | 713.14  | 0.5330 | 1159.22 | 0.5750 | 1066.32 |
| C.4610     | 1072.12 | 0.6950 | 671.33  | 0.5530 | 1132.15 | 0.5950 | 1026.82 |
| C.4810     | 979.42  | 0.7150 | 610.02  | 0.5750 | 1075.97 | 0.6150 | 996.16  |
| C.5010     | 909.36  | 0.7350 | 567.90  | 0.5930 | 1056.59 | 0.6350 | 970.94  |
| C.5210     | 843.31  | 0.7650 | 502.21  | 0.6130 | 1016.70 | 0.6550 | 942.85  |
| C.5410     | 755.37  | 0.7850 | 463.69  | 0.6330 | 979.42  | 0.6750 | 909.36  |
| C.5610     | 698.50  | 0.8150 | 396.38  | 0.6530 | 936.25  | 0.6950 | 886.34  |
| C.5810     | 603.20  | 0.8550 | 301.60  | 0.6730 | 909.36  | 0.7150 | 867.48  |
| C.6010     | 526.33  | 0.8850 | 192.91  | 0.6930 | 862.70  | 0.7350 | 838.39  |
| C.6210     | 454.68  | 0.9250 | 0.00    | 0.7130 | 820.95  | 0.7550 | 813.36  |
| C.6410     | 358.02  |        |         | 0.7330 | 787.53  | 0.7750 | 774.30  |
| C.6610     | 301.60  |        |         | 0.7530 | 818.43  | 0.7950 | 738.77  |
| C.6810     | 170.13  |        |         | 0.7730 | 718.92  | 0.8150 | 704.39  |
| C.7010     | 0.00    |        |         | 0.7930 | 674.40  | 0.8350 | 658.90  |
|            |         |        |         | 0.8130 | 636.55  | 0.8550 | 643.02  |

A-74

| X--- 3.27 |   | 4.27 |   | 5.27   |        | 6.27   |        |
|-----------|---|------|---|--------|--------|--------|--------|
| Y         | U | Y    | U | Y      | U      | Y      | U      |
|           |   |      |   | 0.8330 | 603.20 | 0.8750 | 626.74 |
|           |   |      |   | 0.8530 | 575.12 | 0.8950 | 575.13 |
|           |   |      |   | 0.8730 | 537.99 | 0.9150 | 556.87 |
|           |   |      |   | 0.8930 | 498.08 | 0.9350 | 537.99 |
|           |   |      |   | 0.9130 | 454.68 | 0.9550 | 498.08 |
|           |   |      |   | 0.9330 | 406.68 | 0.9750 | 454.68 |
|           |   |      |   | 0.9530 | 363.75 | 0.9950 | 406.68 |
|           |   |      |   | 0.9730 | 340.25 | 1.0150 | 380.41 |
|           |   |      |   | 0.9930 | 280.28 | 1.0350 | 363.75 |
|           |   |      |   | 1.0130 | 249.04 | 1.0550 | 352.20 |
|           |   |      |   | 1.0330 | 203.34 | 1.0750 | 340.25 |
|           |   |      |   | 1.0530 | 181.87 | 1.0950 | 301.60 |
|           |   |      |   | 1.0730 | 90.94  | 1.1150 | 249.04 |
|           |   |      |   | 1.0930 | 0.00   | 1.1350 | 203.34 |
|           |   |      |   |        |        | 1.1550 | 143.78 |
|           |   |      |   |        |        | 1.1750 | 90.94  |
|           |   |      |   |        |        | 1.1950 | 0.00   |

TABLE A-16

ALPHA= 70.08

YC= 0.1016

REC= 3622.0

| X--- 8.27 |         | 9.27   |         | 11.27  |        |
|-----------|---------|--------|---------|--------|--------|
| Y         | U       | Y      | U       | Y      | U      |
| C.0600    | 1106.59 | 0.0600 | 1018.70 | 0.0600 | 852.3  |
| C.0800    | 1110.02 | 0.0800 | 1018.73 | 0.0830 | 862.70 |
| C.1000    | 1150.26 | 0.1000 | 1052.67 | 0.1030 | 881.66 |
| C.1200    | 1171.63 | 0.1200 | 1072.12 | 0.1230 | 909.36 |
| C.1400    | 1190.89 | 0.1400 | 1075.97 | 0.1430 | 929.60 |
| C.1600    | 1194.35 | 0.1700 | 1083.63 | 0.1630 | 931.82 |
| C.1800    | 1194.35 | 0.2000 | 1095.02 | 0.1930 | 936.25 |
| C.2000    | 1202.98 | 0.2200 | 1095.02 | 0.2130 | 936.25 |
| C.2200    | 1194.35 | 0.2500 | 1093.13 | 0.2330 | 936.25 |
| C.2400    | 1185.67 | 0.2800 | 1083.63 | 0.2630 | 936.25 |
| C.2600    | 1171.63 | 0.3100 | 1064.38 | 0.3030 | 936.25 |
| C.2800    | 1162.78 | 0.3400 | 1060.49 | 0.3530 | 936.25 |
| C.3000    | 1150.26 | 0.3800 | 1044.78 | 0.4030 | 909.36 |
| C.3200    | 1146.66 | 0.4100 | 1012.63 | 0.4530 | 893.31 |
| C.3400    | 1132.15 | 0.4500 | 989.91  | 0.5030 | 862.70 |
| C.3600    | 1113.74 | 0.4900 | 968.80  | 0.5430 | 848.20 |
| C.3800    | 1095.02 | 0.5200 | 947.22  | 0.5930 | 813.36 |
| C.4000    | 1075.97 | 0.5500 | 927.37  | 0.6530 | 800.55 |

| X----- 8.27 |         | 9.27   |        | 11.27  |        |
|-------------|---------|--------|--------|--------|--------|
| Y           | U       | Y      | U      | Y      | U      |
| C.4200      | 1056.59 | 0.5900 | 888.67 | 0.7030 | 760.83 |
| C.4400      | 1056.59 | 0.6300 | 876.96 | 0.7530 | 747.12 |
| C.4600      | 1036.83 | 0.6600 | 838.39 | 0.8030 | 707.32 |
| C.4800      | 1016.70 | 0.7600 | 763.54 | 0.8530 | 674.40 |
| C.5000      | 996.16  | 0.8100 | 733.15 | 0.9030 | 649.42 |
| C.5200      | 975.18  | 0.8600 | 689.56 | 0.9530 | 639.79 |
| C.5400      | 953.75  | 0.9100 | 658.90 | 1.0530 | 571.53 |
| C.5600      | 931.82  | 0.9600 | 610.02 | 1.1530 | 498.08 |
| C.5800      | 909.36  | 1.0100 | 575.13 | 1.2530 | 406.68 |
| C.6000      | 897.93  | 1.0600 | 537.99 | 1.3530 | 363.75 |
| C.6200      | 886.34  | 1.1100 | 476.87 | 1.4530 | 301.60 |
| C.6400      | 862.70  | 1.1600 | 454.68 | 1.5530 | 249.04 |
| C.6600      | 850.63  | 1.2100 | 406.68 | 1.6530 | 170.13 |
| C.6800      | 838.39  | 1.2600 | 380.41 | 1.7530 | 0.00   |
| C.7000      | 818.43  | 1.3100 | 308.38 |        |        |
| C.7200      | 787.53  | 1.3600 | 280.28 |        |        |
| C.7400      | 760.83  | 1.4100 | 213.26 |        |        |
| C.7600      | 747.12  | 1.4600 | 192.91 |        |        |
| C.7800      | 733.15  | 1.5600 | 0.00   |        |        |
| C.8000      | 718.92  |        |        |        |        |
| C.8200      | 689.56  |        |        |        |        |
| C.8400      | 674.40  |        |        |        |        |
| C.8600      | 658.90  |        |        |        |        |
| C.8800      | 643.02  |        |        |        |        |
| C.9000      | 610.02  |        |        |        |        |
| C.9200      | 606.62  |        |        |        |        |
| C.9500      | 575.13  |        |        |        |        |
| C.9900      | 537.99  |        |        |        |        |
| 1.0300      | 498.08  |        |        |        |        |
| 1.0700      | 463.69  |        |        |        |        |
| 1.1100      | 406.68  |        |        |        |        |
| 1.1500      | 396.38  |        |        |        |        |
| 1.2000      | 352.20  |        |        |        |        |
| 1.2500      | 287.57  |        |        |        |        |
| 1.3100      | 203.34  |        |        |        |        |
| 1.3600      | 157.51  |        |        |        |        |
| 1.4600      | 0.00    |        |        |        |        |

TABLE A-17

ALPHA= 70.02

YC= 0.1956

REC= 6803.0

| X--- 0.00 |         | 1.27   |         | 2.27   |         | 3.27   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600    | 5222.27 | 0.0600 | 4663.83 | 0.0600 | 3773.32 | 0.0600 | 3202.03 |
| C.0670    | 5212.01 | 0.0660 | 4654.67 | 0.0670 | 3776.87 | 0.0690 | 3202.20 |
| C.0720    | 5212.01 | 0.0860 | 4768.75 | 0.0720 | 3776.87 | 0.0790 | 3202.20 |
| C.0770    | 5212.01 | 0.0960 | 4871.68 | 0.0820 | 3782.34 | 0.0890 | 3202.20 |
| C.0820    | 5200.10 | 0.1060 | 4922.34 | 0.0920 | 3782.34 | 0.0990 | 3202.20 |
| C.0870    | 5212.01 | 0.1160 | 4909.72 | 0.1020 | 3765.91 | 0.1090 | 3202.20 |
| C.0920    | 5212.01 | 0.1260 | 4897.08 | 0.1120 | 3732.83 | 0.1190 | 3176.27 |
| C.0970    | 5212.01 | 0.1360 | 4829.06 | 0.1220 | 3693.85 | 0.1290 | 3136.98 |
| C.1070    | 5212.01 | 0.1460 | 4760.07 | 0.1320 | 3665.76 | 0.1490 | 3083.80 |
| C.1170    | 5212.01 | 0.1560 | 4681.24 | 0.1420 | 3626.07 | 0.1690 | 3016.02 |
| C.1270    | 5212.01 | 0.1660 | 4551.37 | 0.1520 | 3568.60 | 0.1890 | 2953.66 |
| C.1440    | 5212.01 | 0.1760 | 4394.22 | 0.1620 | 3521.95 | 0.2090 | 2861.25 |
|           |         | 0.1860 | 4216.55 | 0.1720 | 3486.56 | 0.2190 | 2802.85 |
|           |         | 0.1960 | 4015.64 | 0.1820 | 3414.66 | 0.2490 | 2651.23 |
|           |         | 0.2010 | 3858.11 | 0.1920 | 3341.22 | 0.2790 | 2523.38 |
|           |         | 0.2060 | 3793.26 | 0.2020 | 3266.12 | 0.3090 | 2336.20 |
|           |         | 0.2160 | 3510.19 | 0.2120 | 3182.77 | 0.3390 | 2208.84 |
|           |         | 0.2260 | 3278.76 | 0.2220 | 3097.18 | 0.3790 | 1992.32 |
|           |         | 0.2360 | 3043.31 | 0.2320 | 3050.10 | 0.3990 | 1874.70 |
|           |         | 0.2460 | 2839.49 | 0.2420 | 2960.68 | 0.4290 | 1689.07 |
|           |         | 0.2560 | 2651.23 | 0.2520 | 2904.28 | 0.4490 | 1588.14 |
|           |         | 0.2660 | 2388.70 | 0.2620 | 2839.49 | 0.4690 | 1494.24 |
|           |         | 0.2860 | 1807.33 | 0.2720 | 2780.63 | 0.4890 | 1394.03 |
|           |         | 0.2960 | 1561.88 | 0.2820 | 2705.26 | 0.5190 | 1185.67 |
|           |         | 0.3010 | 1408.78 | 0.2920 | 2627.73 | 0.5490 | 1095.02 |
|           |         | 0.3060 | 1286.04 | 0.3020 | 2547.84 | 0.5790 | 953.75  |
|           |         | 0.3110 | 1185.67 | 0.3120 | 2465.37 | 0.6090 | 787.53  |
|           |         | 0.3160 | 1070.19 | 0.3220 | 2380.03 | 0.6390 | 643.02  |
|           |         | 0.3210 | 979.42  | 0.3320 | 2264.30 | 0.6690 | 476.87  |
|           |         | 0.3260 | 897.93  | 0.3420 | 2208.84 | 0.6990 | 363.75  |
|           |         | 0.3360 | 704.39  | 0.3620 | 2012.96 | 0.7290 | 213.26  |
|           |         | 0.3460 | 610.02  | 0.3720 | 1907.50 | 0.7590 | 0.00    |
|           |         | 0.3560 | 468.12  | 0.3920 | 1725.40 |        |         |
|           |         | 0.3660 | 352.20  | 0.4120 | 1535.18 |        |         |
|           |         | 0.3760 | 222.75  | 0.4320 | 1348.81 |        |         |
|           |         | 0.3860 | 0.00    | 0.4620 | 1111.88 |        |         |
|           |         |        |         | 0.4920 | 909.36  |        |         |
|           |         |        |         | 0.5320 | 592.83  |        |         |
|           |         |        |         | 0.5620 | 321.51  |        |         |
|           |         |        |         | 0.6020 | 0.00    |        |         |



TABLE A-17

ALPHA= 70.02

YC= 0.1956

REC= 6803.0

| X--- 5.27 |         | 7.27   |         | 8.27   |         | 9.27   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600    | 2436.38 | 0.0600 | 1975.34 | 0.0600 | 1799.39 | 0.0600 | 1648.91 |
| C.0700    | 2448.54 | 0.0700 | 1992.32 | 0.0650 | 1795.85 | 0.0700 | 1645.67 |
| C.0800    | 2448.54 | 0.0800 | 2002.67 | 0.0750 | 1799.30 | 0.0900 | 1664.41 |
| C.0900    | 2448.54 | 0.0900 | 2012.96 | 0.0950 | 1818.73 | 0.1100 | 1707.33 |
| C.1000    | 2465.37 | 0.1000 | 2023.21 | 0.1150 | 1860.31 | 0.1300 | 1725.40 |
| C.1100    | 2465.37 | 0.1100 | 2033.40 | 0.1350 | 1869.18 | 0.1500 | 1726.60 |
| C.1200    | 2490.40 | 0.1200 | 2033.40 | 0.1550 | 1869.18 | 0.1700 | 1731.38 |
| C.1300    | 2465.37 | 0.1300 | 2033.40 | 0.1750 | 1875.80 | 0.2000 | 1727.79 |
| C.1400    | 2465.37 | 0.1400 | 2028.31 | 0.1950 | 1872.50 | 0.2300 | 1707.33 |
| C.1500    | 2465.37 | 0.1500 | 2023.21 | 0.2150 | 1846.93 | 0.2700 | 1685.39 |
| C.1600    | 2465.37 | 0.1600 | 2021.16 | 0.2450 | 1830.06 | 0.3000 | 1664.41 |
| C.1700    | 2448.54 | 0.1700 | 2018.09 | 0.2750 | 1807.33 | 0.3300 | 1626.72 |
| C.1800    | 2423.08 | 0.1800 | 2012.96 | 0.3050 | 1760.98 | 0.3700 | 1601.10 |
| C.1900    | 2388.70 | 0.2000 | 1992.32 | 0.3350 | 1731.38 | 0.4000 | 1573.75 |
| C.2000    | 2371.33 | 0.2200 | 1971.45 | 0.3650 | 1695.18 | 0.4400 | 1508.01 |
| C.2100    | 2345.03 | 0.2400 | 1950.37 | 0.3950 | 1651.94 | 0.4900 | 1466.31 |
| C.2200    | 2318.43 | 0.2600 | 1918.31 | 0.4350 | 1581.61 | 0.5300 | 1401.42 |
| C.2300    | 2300.53 | 0.2800 | 1885.70 | 0.4650 | 1548.59 | 0.5800 | 1348.81 |
| C.2400    | 2282.49 | 0.3000 | 1841.32 | 0.5050 | 1487.30 | 0.6300 | 1277.97 |
| C.2500    | 2264.30 | 0.3200 | 1807.33 | 0.5350 | 1437.83 | 0.6700 | 1236.87 |
| C.2600    | 2245.96 | 0.3400 | 1784.30 | 0.5650 | 1391.06 | 0.7100 | 1180.42 |
| C.2700    | 2227.48 | 0.3600 | 1749.20 | 0.5950 | 1345.74 | 0.7600 | 1095.02 |
| C.2800    | 2208.84 | 0.3800 | 1719.40 | 0.6350 | 1269.86 | 0.8100 | 1040.81 |
| C.2900    | 2171.08 | 0.4000 | 1676.78 | 0.6650 | 1238.54 | 0.8600 | 979.42  |
| C.3000    | 2132.65 | 0.4200 | 1626.72 | 0.6950 | 1182.17 | 0.9100 | 913.90  |
| C.3100    | 2113.17 | 0.4400 | 1601.10 | 0.7350 | 1124.82 | 0.9600 | 838.39  |
| C.3200    | 2073.67 | 0.4600 | 1575.07 | 0.7650 | 1075.97 | 1.0100 | 787.53  |
| C.3300    | 2073.67 | 0.4800 | 1535.18 | 0.7950 | 1030.84 | 1.1100 | 652.59  |
| C.3400    | 2033.40 | 0.5000 | 1501.14 | 0.8350 | 958.07  | 1.2100 | 537.99  |
| C.3500    | 2018.09 | 0.5200 | 1452.14 | 0.8650 | 909.36  | 1.3100 | 406.68  |
| C.3600    | 1987.12 | 0.5400 | 1408.78 | 0.9050 | 838.39  | 1.4100 | 287.57  |
| C.3700    | 1960.94 | 0.5600 | 1386.59 | 0.9550 | 787.53  | 1.5100 | 170.13  |
| C.4000    | 1880.21 | 0.5800 | 1356.45 | 1.0050 | 689.56  | 1.6100 | 0.00    |
| C.4200    | 1818.73 | 0.6000 | 1302.01 | 1.0550 | 610.02  |        |         |
| C.4400    | 1772.68 | 0.6200 | 1269.86 | 1.1550 | 476.87  |        |         |
| C.4600    | 1701.26 | 0.6400 | 1150.26 | 1.2550 | 321.51  |        |         |
| C.4800    | 1633.06 | 0.6600 | 1202.98 | 1.3550 | 170.13  |        |         |
| C.5000    | 1555.25 | 0.6800 | 1168.10 | 1.4550 | 0.00    |        |         |
| C.5200    | 1501.14 | 0.7000 | 1122.98 |        |         |        |         |
| C.5400    | 1568.49 | 0.7200 | 1066.32 |        |         |        |         |
| C.5600    | 1416.10 | 0.7400 | 1036.83 |        |         |        |         |
| C.5800    | 1348.81 | 0.7600 | 1006.48 |        |         |        |         |

A=78

| X--- 5.27 |         | 7.27   |        | 8.27 |   | 9.27 |   |
|-----------|---------|--------|--------|------|---|------|---|
| Y         | U       | Y      | U      | Y    | U | Y    | U |
| C.6000    | 1286.04 | 0.7800 | 964.53 |      |   |      |   |
| C.6200    | 1220.04 | 0.8000 | 909.36 |      |   |      |   |
| C.6400    | 1141.24 | 0.8200 | 884.00 |      |   |      |   |
| C.6600    | 1075.97 | 0.8400 | 850.63 |      |   |      |   |
| C.6800    | 1036.83 | 0.8600 | 825.97 |      |   |      |   |
| C.7000    | 1006.48 | 0.8800 | 774.30 |      |   |      |   |
| C.7200    | 942.85  | 0.9000 | 718.92 |      |   |      |   |
| C.7400    | 886.34  | 0.9200 | 704.39 |      |   |      |   |
| C.7600    | 825.97  | 0.9400 | 674.40 |      |   |      |   |
| C.7800    | 787.53  | 0.9600 | 643.02 |      |   |      |   |
| C.8000    | 733.15  | 0.9800 | 610.02 |      |   |      |   |
| C.8200    | 658.90  | 1.0000 | 575.13 |      |   |      |   |
| C.8400    | 610.02  | 1.0200 | 537.99 |      |   |      |   |
| C.8600    | 575.13  | 1.0400 | 498.08 |      |   |      |   |
| C.8800    | 537.99  | 1.0600 | 454.68 |      |   |      |   |
| C.9000    | 498.08  | 1.0800 | 431.35 |      |   |      |   |
| C.9200    | 454.68  | 1.1000 | 406.68 |      |   |      |   |
| C.9400    | 406.68  | 1.1200 | 380.41 |      |   |      |   |
| C.9600    | 352.20  | 1.1400 | 340.25 |      |   |      |   |
| C.9800    | 287.57  | 1.1600 | 287.57 |      |   |      |   |
| 1.0000    | 249.04  | 1.1800 | 272.81 |      |   |      |   |
| 1.0200    | 203.34  | 1.2000 | 249.04 |      |   |      |   |
| 1.0400    | 143.78  | 1.2200 | 203.34 |      |   |      |   |
| 1.0600    | 0.00    | 1.2400 | 181.87 |      |   |      |   |
|           |         | 1.2600 | 170.13 |      |   |      |   |
|           |         | 1.2800 | 143.78 |      |   |      |   |
|           |         | 1.3000 | 90.94  |      |   |      |   |
|           |         | 1.3200 | 0.00   |      |   |      |   |

TABLE A-17

ALPHA= 70.08

YC= 0.1956

REC= 6803.0

| X--- 11.27 |         | 14.27  |         | 17.27  |         | 21.27  |        |
|------------|---------|--------|---------|--------|---------|--------|--------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U      |
| C.0600     | 1414.49 | 0.0600 | 1161.50 | 0.0600 | 977.10  | 0.0600 | 814.96 |
| C.0770     | 1414.64 | 0.0730 | 1162.78 | 0.0880 | 996.16  | 0.0800 | 818.43 |
| C.0870     | 1433.51 | 0.0830 | 1162.78 | 0.1080 | 1030.84 | 0.1000 | 835.92 |
| C.0970     | 1440.70 | 0.0930 | 1162.78 | 0.1280 | 1056.59 | 0.1300 | 879.31 |
| C.1070     | 1469.12 | 0.1130 | 1214.95 | 0.1480 | 1072.12 | 0.1600 | 886.34 |
| C.1270     | 1490.08 | 0.1330 | 1231.84 | 0.1680 | 1075.97 | 0.2000 | 909.36 |
| C.1470     | 1508.01 | 0.1530 | 1253.47 | 0.1880 | 1075.97 | 0.2500 | 909.36 |

| X--- 11.27 |         | 14.27  |         | 17.27  |         | 21.27  |        |
|------------|---------|--------|---------|--------|---------|--------|--------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U      |
| C.1670     | 1508.01 | 0.1830 | 1255.12 | 0.2080 | 1095.02 | 0.3000 | 931.82 |
| C.1770     | 1508.01 | 0.1930 | 1260.05 | 0.2280 | 1104.42 | 0.3600 | 920.66 |
| C.1870     | 1508.01 | 0.2030 | 1263.33 | 0.2480 | 1095.02 | 0.4100 | 909.36 |
| C.1970     | 1508.01 | 0.2130 | 1263.33 | 0.2680 | 1095.02 | 0.4600 | 909.36 |
| C.2070     | 1508.01 | 0.2230 | 1263.33 | 0.3080 | 1095.02 | 0.5100 | 904.81 |
| C.2170     | 1505.27 | 0.2430 | 1269.86 | 0.3580 | 1083.63 | 0.5600 | 886.34 |
| C.2370     | 1503.89 | 0.2630 | 1261.69 | 0.4080 | 1074.05 | 0.6100 | 881.66 |
| C.2570     | 1503.89 | 0.2830 | 1261.69 | 0.4580 | 1060.49 | 0.6600 | 860.30 |
| C.2870     | 1490.08 | 0.3030 | 1261.69 | 0.4880 | 1054.63 | 0.7100 | 838.39 |
| C.3170     | 1473.34 | 0.3230 | 1260.05 | 0.5180 | 1032.84 | 0.7600 | 825.97 |
| C.3470     | 1454.98 | 0.3430 | 1251.82 | 0.5680 | 1004.43 | 0.8100 | 813.36 |
| C.3770     | 1434.95 | 0.3630 | 1241.87 | 0.5980 | 996.16  | 0.8600 | 800.55 |
| C.4170     | 1395.51 | 0.3830 | 1235.20 | 0.6380 | 979.42  | 0.9100 | 787.53 |
| C.4470     | 1379.12 | 0.4030 | 1220.04 | 0.6780 | 975.18  | 0.9600 | 774.30 |
| C.4770     | 1364.05 | 0.4230 | 1218.34 | 0.7280 | 964.53  | 1.0100 | 766.24 |
| C.5070     | 1341.12 | 0.4530 | 1189.15 | 0.7680 | 931.82  | 1.1100 | 707.32 |
| C.5470     | 1294.05 | 0.4830 | 1171.63 | 0.8380 | 902.52  | 1.2100 | 680.51 |
| C.5770     | 1271.49 | 0.5130 | 1168.10 | 0.8780 | 879.31  | 1.3100 | 643.02 |
| C.6170     | 1233.52 | 0.5430 | 1157.43 | 0.9180 | 862.70  | 1.4100 | 610.02 |
| C.6570     | 1182.17 | 0.5730 | 1137.61 | 0.9680 | 838.39  | 1.5100 | 567.90 |
| C.6970     | 1150.26 | 0.6130 | 1113.74 | 1.0180 | 813.36  | 1.6100 | 537.99 |
| C.7370     | 1117.45 | 0.6430 | 1095.02 | 1.0680 | 787.53  | 1.7100 | 498.08 |
| C.7770     | 1060.49 | 0.6830 | 1075.97 | 1.1180 | 760.83  | 1.8100 | 459.21 |
| C.8170     | 1036.83 | 0.7230 | 1042.80 | 1.1680 | 733.15  | 1.9100 | 416.72 |
| C.8470     | 996.16  | 0.7730 | 1016.70 | 1.2180 | 704.39  | 2.0100 | 391.13 |
| C.8770     | 975.18  | 0.8030 | 994.08  | 1.2680 | 674.40  | 2.1100 | 346.28 |
| C.9070     | 931.82  | 0.8430 | 975.18  | 1.3180 | 649.42  | 2.4100 | 249.04 |
| C.9370     | 909.36  | 0.8830 | 953.75  | 1.3680 | 643.02  | 2.6100 | 203.34 |
| C.9770     | 879.31  | 0.9230 | 909.36  | 1.4180 | 610.02  | 2.8100 | 143.78 |
| 1.0170     | 848.20  | 0.9730 | 862.70  | 1.4680 | 575.13  | 3.0100 | 90.94  |
| 1.0670     | 800.55  | 1.0230 | 833.45  | 1.5180 | 537.99  | 3.1100 | 0.00   |
| 1.1170     | 733.15  | 1.0530 | 818.43  | 1.5680 | 518.42  |        |        |
| 1.1670     | 698.50  | 1.0830 | 787.53  | 1.6180 | 498.08  |        |        |
| 1.2170     | 649.42  | 1.1230 | 766.24  | 1.7180 | 454.68  |        |        |
| 1.2670     | 610.02  | 1.1530 | 755.37  | 1.8180 | 406.68  |        |        |
| 1.3170     | 553.14  | 1.1930 | 733.15  | 1.9180 | 352.20  |        |        |
| 1.3670     | 498.08  | 1.2330 | 674.40  | 2.0180 | 301.60  |        |        |
| 1.4170     | 454.68  | 1.2630 | 665.14  | 2.1180 | 257.21  |        |        |
| 1.4670     | 406.68  | 1.3030 | 643.02  | 2.2180 | 203.34  |        |        |
| 1.5170     | 352.20  | 1.3430 | 610.02  | 2.3180 | 192.91  |        |        |
| 1.5670     | 301.60  | 1.3930 | 575.13  | 2.5180 | 90.94   |        |        |
| 1.6170     | 272.81  | 1.4430 | 545.62  | 2.6180 | 0.00    |        |        |
| 1.6670     | 203.34  | 1.4830 | 510.38  |        |         |        |        |
| 1.7170     | 192.91  | 1.5230 | 485.47  |        |         |        |        |
| 1.8170     | 0.00    | 1.5830 | 440.83  |        |         |        |        |
|            |         | 1.6330 | 406.68  |        |         |        |        |
|            |         | 1.6930 | 363.75  |        |         |        |        |

A-80

| X--- | 11.27 |   | 14.27  |        | 17.27 |   | 21.27 |   |
|------|-------|---|--------|--------|-------|---|-------|---|
|      | Y     | U | Y      | U      | Y     | U | Y     | U |
|      |       |   | 1.7630 | 346.28 |       |   |       |   |
|      |       |   | 1.8130 | 294.67 |       |   |       |   |
|      |       |   | 1.8830 | 265.12 |       |   |       |   |
|      |       |   | 1.9830 | 170.13 |       |   |       |   |
|      |       |   | 2.0830 | 64.30  |       |   |       |   |
|      |       |   | 2.1130 | 0.00   |       |   |       |   |

TABLE A-17

ALPHA= 70.08

YC= 0.1956

REC= 6803.0

| X---- | 25.27  |        |
|-------|--------|--------|
|       | Y      | U      |
|       | 0.0600 | 675.73 |
|       | 0.1010 | 704.39 |
|       | 0.1410 | 733.15 |
|       | 0.1910 | 760.83 |
|       | 0.2410 | 787.53 |
|       | 0.3010 | 787.53 |
|       | 0.3610 | 787.53 |
|       | 0.4610 | 787.53 |
|       | 0.5610 | 782.26 |
|       | 0.6610 | 760.83 |
|       | 0.7110 | 758.11 |
|       | 0.8110 | 733.15 |
|       | 0.8710 | 710.24 |
|       | 0.9210 | 704.39 |
|       | 1.1210 | 674.40 |
|       | 1.3210 | 616.76 |
|       | 1.5210 | 564.25 |
|       | 1.7210 | 498.08 |
|       | 1.9210 | 454.68 |
|       | 2.1210 | 401.56 |
|       | 2.3210 | 352.20 |
|       | 2.5210 | 287.57 |
|       | 2.7210 | 222.75 |
|       | 2.9210 | 203.34 |
|       | 3.1210 | 157.51 |
|       | 3.3210 | 111.37 |
|       | 3.5210 | 64.30  |
|       | 3.6210 | 0.00   |

TABLE A-18

ALPHA= 70.08

YC= 0.3048

REC= 10460.0

| X----  | 0.00 |         | 1.00   |         | 2.00   |         | 3.00   |         |
|--------|------|---------|--------|---------|--------|---------|--------|---------|
|        | Y    | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600 |      | 5154.27 | 0.0600 | 5060.80 | 0.0600 | 4677.16 | 0.0600 | 4273.69 |
| C.0700 |      | 5144.14 | 0.0710 | 5050.86 | 0.0690 | 4667.97 | 0.0750 | 4265.30 |
| C.0850 |      | 5144.14 | 0.0810 | 5050.86 | 0.0790 | 4667.97 | 0.0850 | 4265.30 |
| C.0950 |      | 5144.14 | 0.0910 | 5083.50 | 0.0890 | 4694.47 | 0.1050 | 4303.90 |
| C.1650 |      | 5144.14 | 0.1010 | 5111.89 | 0.0990 | 4768.75 | 0.1250 | 4299.09 |
| C.2350 |      | 5144.14 | 0.1110 | 5111.89 | 0.1090 | 4799.00 | 0.1350 | 4289.46 |
| C.2550 |      | 5144.14 | 0.1210 | 5115.93 | 0.1190 | 4820.49 | 0.1550 | 4191.96 |
| C.2750 |      | 5144.14 | 0.1310 | 5132.07 | 0.1290 | 4799.00 | 0.1750 | 4066.80 |
| C.2950 |      | 5136.10 | 0.1410 | 5128.04 | 0.1390 | 4768.75 | 0.1950 | 3953.38 |
| C.3150 |      | 5124.01 | 0.1510 | 5103.79 | 0.1490 | 4725.20 | 0.2150 | 3787.80 |
| C.3350 |      | 5103.79 | 0.1610 | 5103.79 | 0.1590 | 4650.22 | 0.2350 | 3677.03 |
| C.3550 |      | 5103.79 | 0.1710 | 5095.69 | 0.1690 | 4592.06 | 0.2550 | 3521.95 |
| C.3750 |      | 5083.50 | 0.1810 | 5063.13 | 0.1790 | 4514.88 | 0.2750 | 3353.57 |
| C.3950 |      | 5071.29 | 0.1910 | 5022.13 | 0.1890 | 4417.68 | 0.2950 | 3215.09 |
| C.4150 |      | 5063.13 | 0.2010 | 4980.79 | 0.1990 | 4289.46 | 0.3150 | 3002.28 |
| C.4350 |      | 5054.95 | 0.2110 | 4939.11 | 0.2090 | 4206.73 | 0.3350 | 2897.15 |
| C.4550 |      | 5054.95 | 0.2210 | 4854.68 | 0.2190 | 4137.36 | 0.3550 | 2728.09 |
| C.4750 |      | 5054.95 | 0.2310 | 4777.41 | 0.2290 | 4051.52 | 0.3750 | 2572.07 |
| C.7950 |      | 0.00    | 0.2410 | 4681.24 | 0.2390 | 3948.15 | 0.3950 | 2423.08 |
|        |      |         | 0.2510 | 4551.37 | 0.2490 | 3825.82 | 0.4050 | 2327.33 |
|        |      |         | 0.2610 | 4408.31 | 0.2590 | 3727.28 | 0.4150 | 2227.48 |
|        |      |         | 0.2710 | 4274.98 | 0.2690 | 3620.37 | 0.4350 | 2132.65 |
|        |      |         | 0.2810 | 4117.32 | 0.2790 | 3504.30 | 0.4550 | 1971.45 |
|        |      |         | 0.2910 | 3884.81 | 0.2990 | 3259.79 | 0.4650 | 1896.63 |
|        |      |         | 0.3010 | 3682.64 | 0.3190 | 3056.87 | 0.4750 | 1821.00 |
|        |      |         | 0.3110 | 3521.95 | 0.3390 | 2854.01 | 0.4850 | 1737.34 |
|        |      |         | 0.3210 | 3341.22 | 0.3590 | 2651.23 | 0.4950 | 1666.89 |
|        |      |         | 0.3310 | 3123.77 | 0.3790 | 2423.08 | 0.5050 | 1575.07 |
|        |      |         | 0.3410 | 2897.15 | 0.3990 | 2199.46 | 0.5150 | 1480.34 |
|        |      |         | 0.3510 | 2705.26 | 0.4190 | 1999.57 | 0.5250 | 1423.38 |
|        |      |         | 0.3610 | 2490.40 | 0.4390 | 1807.33 | 0.5350 | 1348.81 |
|        |      |         | 0.3710 | 2291.53 | 0.4490 | 1701.26 | 0.5450 | 1269.86 |
|        |      |         | 0.3910 | 1818.73 | 0.4590 | 1595.93 | 0.5550 | 1202.98 |
|        |      |         | 0.4010 | 1588.14 | 0.4690 | 1497.00 | 0.5650 | 1137.61 |
|        |      |         | 0.4110 | 1374.61 | 0.4890 | 1305.18 | 0.5750 | 1056.59 |
|        |      |         | 0.4210 | 1269.86 | 0.5090 | 1079.81 | 0.5850 | 989.91  |
|        |      |         | 0.4310 | 1046.76 | 0.5190 | 1006.48 | 0.5950 | 920.66  |
|        |      |         | 0.4410 | 838.39  | 0.5290 | 909.36  | 0.6050 | 843.31  |
|        |      |         | 0.4510 | 652.59  | 0.5490 | 733.15  | 0.6250 | 704.39  |
|        |      |         | 0.4610 | 476.87  | 0.5590 | 643.02  | 0.6450 | 575.13  |
|        |      |         | 0.4710 | 287.57  | 0.5790 | 489.71  | 0.6650 | 445.50  |
|        |      |         | 0.4810 | 0.00    | 0.5890 | 340.25  | 0.6850 | 249.04  |
|        |      |         |        |         | 0.5990 | 192.91  | 0.7050 | 0.00    |
|        |      |         |        |         | 0.6090 | 0.00    |        |         |

TABLE A-18

ALPHA= 70.00

YC= 0.3048

REC= 10460.0

| X----- 5.00 |         | 7.00   |         | 10.00  |         | 13.00  |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600      | 3347.79 | 0.0600 | 2718.23 | 0.0600 | 2097.63 | 0.0600 | 1661.45 |
| C.0720      | 3341.22 | 0.1200 | 2720.50 | 0.0700 | 2093.51 | 0.0650 | 1658.19 |
| C.0920      | 3353.57 | 0.2000 | 2750.73 | 0.0800 | 2073.67 | 0.0750 | 1660.68 |
| C.1120      | 3390.36 | 0.2200 | 2780.63 | 0.0900 | 2103.37 | 0.0850 | 1695.18 |
| C.1220      | 3384.25 | 0.2400 | 2788.06 | 0.1000 | 2103.37 | 0.0950 | 1713.37 |
| C.1420      | 3353.57 | 0.2600 | 2780.63 | 0.1100 | 2103.37 | 0.1050 | 1731.38 |
| C.1520      | 3341.22 | 0.2800 | 2735.66 | 0.1200 | 2113.17 | 0.1150 | 1743.28 |
| C.1720      | 3278.76 | 0.3000 | 2705.26 | 0.1300 | 2132.65 | 0.1250 | 1749.20 |
| C.1920      | 3202.20 | 0.3200 | 2651.23 | 0.1400 | 2151.95 | 0.1350 | 1760.98 |
| C.2120      | 3130.38 | 0.3400 | 2596.07 | 0.1500 | 2171.08 | 0.1450 | 1772.68 |
| C.2320      | 3063.63 | 0.3600 | 2564.02 | 0.1600 | 2171.08 | 0.1550 | 1778.50 |
| C.2520      | 2974.61 | 0.3800 | 2506.94 | 0.1700 | 2151.95 | 0.1650 | 1784.30 |
| C.2720      | 2918.48 | 0.4000 | 2456.97 | 0.1800 | 2151.95 | 0.1750 | 1784.30 |
| C.2920      | 2824.89 | 0.4200 | 2380.03 | 0.1900 | 2132.65 | 0.1850 | 1784.30 |
| C.3120      | 2728.09 | 0.4400 | 2318.43 | 0.2000 | 2132.65 | 0.1950 | 1772.68 |
| C.3320      | 2643.42 | 0.4600 | 2273.41 | 0.2100 | 2122.93 | 0.2050 | 1760.98 |
| C.3520      | 2555.94 | 0.4800 | 2227.48 | 0.2300 | 2103.37 | 0.2150 | 1760.98 |
| C.3720      | 2456.97 | 0.5000 | 2161.53 | 0.2500 | 2093.51 | 0.2250 | 1749.20 |
| C.3920      | 2362.60 | 0.5200 | 2113.17 | 0.2700 | 2073.67 | 0.2350 | 1737.34 |
| C.4120      | 2264.30 | 0.5500 | 2030.35 | 0.2900 | 2043.54 | 0.2550 | 1727.79 |
| C.4320      | 2151.95 | 0.5700 | 1966.20 | 0.3100 | 2018.09 | 0.2750 | 1715.78 |
| C.4520      | 2113.17 | 0.5900 | 1896.63 | 0.3300 | 1976.69 | 0.2950 | 1710.96 |
| C.4720      | 1997.50 | 0.6100 | 1826.67 | 0.3500 | 1945.06 | 0.3150 | 1689.07 |
| C.4820      | 1960.94 | 0.6300 | 1760.98 | 0.3700 | 1918.31 | 0.3450 | 1645.67 |
| C.4920      | 1905.33 | 0.6500 | 1701.26 | 0.3900 | 1885.70 | 0.3750 | 1624.18 |
| C.5120      | 1801.60 | 0.6700 | 1639.38 | 0.4100 | 1852.52 | 0.4050 | 1607.54 |
| C.5320      | 1709.75 | 0.6900 | 1575.07 | 0.4300 | 1807.33 | 0.4350 | 1555.25 |
| C.5520      | 1622.90 | 0.7100 | 1514.85 | 0.4500 | 1772.68 | 0.4750 | 1508.01 |
| C.5720      | 1535.18 | 0.7300 | 1437.83 | 0.4700 | 1755.10 | 0.5150 | 1466.31 |
| C.5920      | 1437.83 | 0.7500 | 1394.03 | 0.4900 | 1719.40 | 0.5550 | 1408.78 |
| C.6120      | 1333.39 | 0.7700 | 1317.79 | 0.5100 | 1658.19 | 0.5950 | 1364.05 |
| C.6320      | 1241.87 | 0.7900 | 1269.86 | 0.5300 | 1607.54 | 0.6350 | 1309.93 |
| C.6520      | 1161.00 | 0.8100 | 1194.35 | 0.5500 | 1575.07 | 0.6750 | 1269.86 |
| C.6720      | 1052.67 | 0.8300 | 1126.66 | 0.5700 | 1548.59 | 0.7150 | 1220.04 |
| C.6920      | 970.94  | 0.8500 | 1075.97 | 0.5900 | 1508.01 | 0.7550 | 1150.26 |
| C.7120      | 862.70  | 0.8700 | 1006.48 | 0.6100 | 1480.34 | 0.7950 | 1113.74 |
| C.7320      | 779.62  | 0.8900 | 936.25  | 0.6300 | 1437.83 | 0.8350 | 1056.59 |
| C.7520      | 704.39  | 0.9100 | 886.34  | 0.6500 | 1416.10 | 0.8750 | 996.16  |

| X--- 5.00 |        | 7.00   |        | 10.00  |         | 13.00  |        |
|-----------|--------|--------|--------|--------|---------|--------|--------|
| Y         | U      | Y      | U      | Y      | U       | Y      | U      |
| C.7720    | 610.02 | 0.9300 | 805.70 | 0.6700 | 1394.03 | 0.9050 | 953.75 |
| C.7920    | 537.99 | 0.9500 | 755.37 | 0.6900 | 1348.81 | 0.9450 | 886.34 |
| C.8120    | 421.65 | 0.9700 | 704.39 | 0.7100 | 1286.04 | 0.9850 | 845.76 |
| C.8320    | 301.60 | 1.0000 | 596.31 | 0.7300 | 1253.47 | 1.0350 | 779.62 |
| C.8520    | 203.34 | 1.0300 | 498.08 | 0.7500 | 1194.35 | 1.0650 | 733.15 |
| C.8720    | 0.00   | 1.0600 | 374.94 | 0.7700 | 1162.78 | 1.0950 | 689.56 |
|           |        | 1.0900 | 280.28 | 0.7900 | 1126.66 | 1.1350 | 626.74 |
|           |        | 1.1200 | 0.00   | 0.8100 | 1085.54 | 1.1650 | 575.13 |
|           |        |        |        | 0.8300 | 1036.83 | 1.1950 | 537.99 |
|           |        |        |        | 0.8500 | 996.16  | 1.2250 | 522.39 |
|           |        |        |        | 0.8700 | 964.53  | 1.2650 | 445.50 |
|           |        |        |        | 0.8900 | 931.82  | 1.3050 | 358.02 |
|           |        |        |        | 0.9100 | 886.34  | 1.3350 | 321.51 |
|           |        |        |        | 0.9300 | 850.63  | 1.3650 | 249.04 |
|           |        |        |        | 0.9500 | 800.55  | 1.4050 | 170.13 |
|           |        |        |        | 0.9700 | 760.83  | 1.4550 | 0.00   |
|           |        |        |        | 0.9900 | 718.92  |        |        |
|           |        |        |        | 1.0100 | 674.40  |        |        |
|           |        |        |        | 1.0600 | 575.13  |        |        |
|           |        |        |        | 1.1100 | 498.08  |        |        |
|           |        |        |        | 1.1600 | 352.20  |        |        |
|           |        |        |        | 1.2100 | 265.12  |        |        |

TABLE A-18

ALPHA= 70.08

YC= 0.3048

REC= 10460.0

| X--- 16.00 |         | 20.00  |         | 24.00  |        | 28.00  |        |
|------------|---------|--------|---------|--------|--------|--------|--------|
| Y          | U       | Y      | U       | Y      | U      | Y      | U      |
| C.0600     | 1320.39 | 0.0600 | 1022.77 | 0.0600 | 817.50 | 0.0600 | 666.45 |
| C.0780     | 1333.39 | 0.0750 | 1020.76 | 0.0720 | 815.90 | 0.1010 | 704.39 |
| C.0980     | 1327.17 | 0.0950 | 1056.59 | 0.0920 | 815.90 | 0.1410 | 733.15 |
| C.1180     | 1374.61 | 0.1150 | 1093.13 | 0.1220 | 886.34 | 0.1710 | 760.83 |
| C.1380     | 1408.78 | 0.1350 | 1122.98 | 0.1520 | 909.36 | 0.2310 | 787.53 |
| C.1480     | 1419.02 | 0.1550 | 1133.97 | 0.2020 | 942.85 | 0.2810 | 792.77 |
| C.1580     | 1430.62 | 0.1850 | 1157.43 | 0.2420 | 953.75 | 0.3310 | 813.36 |
| C.1680     | 1437.83 | 0.2150 | 1153.85 | 0.3020 | 996.16 | 0.3710 | 790.15 |
| C.1880     | 1452.14 | 0.2450 | 1161.00 | 0.3720 | 953.75 | 0.4210 | 787.53 |
| C.1980     | 1452.14 | 0.2850 | 1171.63 | 0.4220 | 942.85 | 0.4810 | 787.53 |
| C.2080     | 1452.14 | 0.3250 | 1164.55 | 0.4720 | 931.82 | 0.5810 | 760.83 |
| C.2180     | 1454.98 | 0.3650 | 1141.24 | 0.5220 | 922.90 | 0.7810 | 733.15 |

| X----- 16.00 |         | 20.00  |         | 24.00  |        | 28.00  |        |
|--------------|---------|--------|---------|--------|--------|--------|--------|
| Y            | U       | Y      | U       | Y      | U      | Y      | U      |
| C.2380       | 1456.40 | 0.3950 | 1135.80 | 0.5720 | 918.41 | 0.8810 | 649.42 |
| C.2580       | 1456.40 | 0.4550 | 1113.74 | 0.6220 | 907.09 | 0.9810 | 643.02 |
| C.2780       | 1456.40 | 0.5050 | 1095.02 | 0.6720 | 879.31 | 1.0810 | 585.82 |
| C.2980       | 1437.83 | 0.5450 | 1075.97 | 0.7720 | 838.39 | 1.1810 | 567.90 |
| C.3280       | 1424.83 | 0.6050 | 1024.80 | 0.8720 | 792.77 | 1.2810 | 530.25 |
| C.3580       | 1416.10 | 0.6550 | 1016.70 | 0.9720 | 766.24 | 1.4810 | 454.68 |
| C.3880       | 1404.37 | 0.7050 | 996.16  | 1.0720 | 710.24 | 1.5810 | 363.75 |
| C.4180       | 1395.51 | 0.7550 | 953.75  | 1.1720 | 643.02 | 1.6810 | 340.25 |
| C.4480       | 1361.01 | 0.8050 | 931.82  | 1.2720 | 616.76 | 1.7810 | 272.81 |
| C.4880       | 1328.73 | 0.8550 | 897.93  | 1.3720 | 537.99 | 1.8810 | 203.34 |
| C.5180       | 1305.18 | 0.9050 | 862.70  | 1.4720 | 498.08 | 1.9810 | 0.00   |
| C.5480       | 1286.04 | 0.9550 | 838.39  | 1.5720 | 454.68 |        |        |
| C.5880       | 1253.47 | 1.0050 | 813.36  | 1.6720 | 391.13 |        |        |
| C.6280       | 1209.83 | 1.0550 | 766.24  | 1.7720 | 287.57 |        |        |
| C.6680       | 1178.67 | 1.1050 | 724.64  | 1.8720 | 222.75 |        |        |
| C.7080       | 1150.26 | 1.1550 | 710.24  | 1.9720 | 192.91 |        |        |
| C.7480       | 1113.74 | 1.2050 | 649.42  | 2.0720 | 0.00   |        |        |
| C.7880       | 1075.97 | 1.2550 | 643.02  |        |        |        |        |
| C.8380       | 1028.83 | 1.3550 | 575.13  |        |        |        |        |
| C.8780       | 985.73  | 1.4550 | 498.08  |        |        |        |        |
| C.9080       | 966.67  | 1.5550 | 426.53  |        |        |        |        |
| C.9380       | 931.82  | 1.6550 | 352.20  |        |        |        |        |
| C.9780       | 897.93  | 1.7550 | 203.34  |        |        |        |        |
| 1.0080       | 860.30  | 1.8550 | 0.00    |        |        |        |        |
| 1.0580       | 813.36  |        |         |        |        |        |        |
| 1.1080       | 774.30  |        |         |        |        |        |        |
| 1.1580       | 710.24  |        |         |        |        |        |        |
| 1.2080       | 655.75  |        |         |        |        |        |        |
| 1.2580       | 610.02  |        |         |        |        |        |        |
| 1.3080       | 571.53  |        |         |        |        |        |        |
| 1.3580       | 514.41  |        |         |        |        |        |        |
| 1.3980       | 454.68  |        |         |        |        |        |        |
| 1.4580       | 358.02  |        |         |        |        |        |        |
| 1.5080       | 321.51  |        |         |        |        |        |        |
| 1.5580       | 231.84  |        |         |        |        |        |        |
| 1.6080       | 203.34  |        |         |        |        |        |        |
| 1.7080       | 0.00    |        |         |        |        |        |        |



TABLE A-18

ALPHA= 70.08

YC= 0.3048

REC= 10460.0

X--- 32.00

| Y      | U      |
|--------|--------|
| C.0600 | 507.31 |
| O.1500 | 616.76 |
| C.2500 | 674.40 |
| C.3150 | 680.51 |
| C.4150 | 698.50 |
| C.5150 | 689.56 |
| C.6150 | 680.51 |
| C.9150 | 610.02 |
| 1.2150 | 537.99 |
| 1.6150 | 406.68 |
| 2.0150 | 272.81 |
| 2.3150 | 0.00   |

TABLE A-19

ALPHA= 70.08

YC= 0.6350

REC= 19590.0

X--- 0.00

1.00

2.00

3.00

| Y      | U       | Y      | U       | Y      | U       | Y      | U       |
|--------|---------|--------|---------|--------|---------|--------|---------|
| C.0600 | 4321.98 | O.0600 | 4125.43 | O.0600 | 4023.55 | O.0600 | 3929.60 |
| C.0700 | 4313.49 | O.0700 | 4117.32 | O.0700 | 4015.64 | O.0700 | 3921.88 |
| C.0800 | 4313.49 | O.0800 | 4117.32 | O.0800 | 4056.62 | O.0800 | 3989.82 |
| C.0900 | 4313.49 | O.0900 | 4240.99 | O.0900 | 4182.09 | O.0850 | 4066.80 |
| C.1000 | 4313.49 | O.1000 | 4313.49 | O.0950 | 4226.34 | O.0900 | 4117.32 |
| C.1100 | 4313.49 | O.1100 | 4384.80 | O.1000 | 4255.59 | O.0950 | 4157.30 |
| C.1200 | 4313.49 | O.1200 | 4478.10 | O.1050 | 4265.30 | O.1000 | 4167.23 |
| C.1300 | 4431.69 | O.1300 | 4501.12 | O.1100 | 4337.39 | O.1050 | 4216.55 |
| C.1400 | 4524.03 | O.1400 | 4537.72 | O.1200 | 4384.80 | O.1100 | 4265.30 |
| C.1500 | 4537.72 | O.1500 | 4583.05 | O.1300 | 4454.96 | O.1150 | 4289.46 |
| O.1600 | 4592.06 | O.1600 | 4592.06 | O.1400 | 4501.12 | O.1200 | 4337.39 |
| C.1700 | 4614.52 | O.1650 | 4592.06 | O.1500 | 4524.03 | O.1250 | 4361.16 |
| C.1800 | 4614.52 | O.1700 | 4583.05 | O.1600 | 4546.82 | O.1300 | 4361.16 |
| O.1900 | 4614.52 | O.1750 | 4592.06 | O.1700 | 4569.50 | O.1400 | 4431.69 |
| O.2000 | 4623.47 | O.1800 | 4592.06 | O.1800 | 4569.50 | O.1500 | 4454.96 |
| O.2100 | 4614.52 | O.1850 | 4592.06 | O.1900 | 4569.50 | O.1600 | 4478.10 |
| C.2200 | 4614.52 | O.1900 | 4592.06 | O.2000 | 4569.50 | O.1700 | 4501.12 |
| C.2300 | 4614.52 | O.2000 | 4592.06 | O.2100 | 4569.50 | O.1800 | 4524.03 |
| O.2500 | 4614.52 | O.2100 | 4569.50 | O.2200 | 4569.50 | O.1900 | 4524.03 |

| X----- 0.00 |         | 1.00   |         | 2.00   |         | 3.00   |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| C.2700      | 4614.52 | 0.2200 | 4569.50 | 0.2300 | 4546.82 | 0.2000 | 4524.03 |
| C.2900      | 4569.50 | 0.2300 | 4546.82 | 0.2400 | 4546.82 | 0.2100 | 4524.03 |
| C.3100      | 4546.82 | 0.2500 | 4546.82 | 0.2500 | 4546.82 | 0.2200 | 4524.03 |
| C.3300      | 4524.03 | 0.3100 | 4478.10 | 0.2600 | 4524.03 | 0.2300 | 4501.12 |
| C.3500      | 4501.12 | 0.3600 | 4422.35 | 0.2700 | 4501.12 | 0.2400 | 4478.10 |
| C.3700      | 4478.10 | 0.4100 | 4361.16 | 0.2800 | 4491.93 | 0.2500 | 4431.69 |
| C.3900      | 4454.96 | 0.4600 | 4167.23 | 0.2900 | 4464.23 | 0.2600 | 4431.69 |
| C.4100      | 4431.69 | 0.5100 | 3884.81 | 0.3000 | 4454.96 | 0.2700 | 4384.80 |
| C.4300      | 4408.31 | 0.5600 | 3278.76 | 0.3100 | 4445.67 | 0.2800 | 4337.39 |
| C.4500      | 4384.80 | 0.6100 | 2651.23 | 0.3300 | 4431.69 | 0.2900 | 4313.49 |
| C.4700      | 4361.16 | 0.6600 | 1841.32 | 0.3600 | 4313.49 | 0.3000 | 4289.46 |
| C.4900      | 4323.07 | 0.6800 | 1480.34 | 0.3800 | 4216.55 | 0.3100 | 4240.99 |
| C.5100      | 4289.46 | 0.6900 | 1333.39 | 0.3900 | 4157.30 | 0.3200 | 4191.96 |
| C.5300      | 4240.99 | 0.7000 | 1194.35 | 0.4000 | 4117.32 | 0.3300 | 4157.30 |
| C.5500      | 4157.30 | 0.7100 | 1056.59 | 0.4100 | 4066.80 | 0.3400 | 4107.27 |
| C.5700      | 4015.64 | 0.7200 | 909.36  | 0.4200 | 3989.82 | 0.3500 | 4036.18 |
| C.5900      | 3858.11 | 0.7300 | 760.83  | 0.4300 | 3937.66 | 0.3600 | 3911.32 |
| C.6100      | 3693.85 | 0.7400 | 610.02  | 0.4500 | 3749.40 | 0.3800 | 3804.14 |
| C.6300      | 3665.76 | 0.7500 | 498.08  | 0.4800 | 3432.77 | 0.4000 | 3693.85 |
| C.6500      | 3637.46 | 0.7600 | 352.20  | 0.5000 | 3278.76 | 0.4200 | 3580.17 |
| C.6700      | 3608.93 | 0.7700 | 287.57  | 0.5200 | 3070.37 | 0.4400 | 3462.76 |
| C.6900      | 3533.67 | 0.7800 | 192.91  | 0.5400 | 2911.39 | 0.4600 | 3215.09 |
| C.7100      | 3521.55 | 0.7900 | 0.00    | 0.5600 | 2651.23 | 0.4800 | 3050.10 |
|             |         |        |         | 0.5800 | 2448.54 | 0.5000 | 2911.39 |
|             |         |        |         | 0.6000 | 2227.48 | 0.5200 | 2765.72 |
|             |         |        |         | 0.6200 | 2083.62 | 0.5400 | 2611.95 |
|             |         |        |         | 0.6400 | 1902.07 | 0.5600 | 2405.95 |
|             |         |        |         | 0.6600 | 1713.37 | 0.5800 | 2227.48 |
|             |         |        |         | 0.6800 | 1437.83 | 0.6000 | 2113.17 |
|             |         |        |         | 0.6900 | 1348.81 | 0.6200 | 1974.60 |
|             |         |        |         | 0.7000 | 1289.25 | 0.6400 | 1835.70 |
|             |         |        |         | 0.7100 | 1220.04 | 0.6600 | 1670.61 |
|             |         |        |         | 0.7200 | 1113.74 | 0.6800 | 1487.30 |
|             |         |        |         | 0.7300 | 1016.70 | 0.7000 | 1356.45 |
|             |         |        |         | 0.7400 | 931.82  | 0.7200 | 1236.87 |
|             |         |        |         | 0.7500 | 838.39  | 0.7400 | 1085.54 |
|             |         |        |         | 0.7600 | 768.94  | 0.7600 | 953.75  |
|             |         |        |         | 0.7700 | 671.33  | 0.7800 | 800.55  |
|             |         |        |         | 0.7800 | 567.90  | 0.8000 | 689.56  |
|             |         |        |         | 0.7900 | 498.08  | 0.8200 | 567.90  |
|             |         |        |         | 0.8000 | 421.65  | 0.8400 | 431.35  |
|             |         |        |         | 0.8100 | 352.20  | 0.8600 | 352.20  |
|             |         |        |         | 0.8200 | 287.57  | 0.8800 | 181.87  |
|             |         |        |         | 0.8300 | 203.34  | 0.9000 | 0.00    |
|             |         |        |         | 0.8400 | 143.78  |        |         |

TABLE A-19

ALPHA= 70.02

YC= 0.6350

REC= 19590.0

| X--- 5.00 |         | 7.00   |         | 10.00  |         | 13.00  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600    | 3644.62 | 0.0600 | 3156.33 | 0.0600 | 2495.30 | 0.0600 | 2035.36 |
| C.0700    | 3749.40 | 0.0650 | 3150.13 | 0.0700 | 2490.40 | 0.0710 | 2031.37 |
| C.0750    | 3804.14 | 0.0750 | 3247.08 | 0.0800 | 2506.94 | 0.0910 | 2043.54 |
| C.0810    | 3815.00 | 0.0850 | 3247.08 | 0.0900 | 2531.56 | 0.1110 | 2103.37 |
| C.0900    | 3842.00 | 0.0950 | 3291.35 | 0.1000 | 2588.10 | 0.1310 | 2122.93 |
| C.1000    | 3884.81 | 0.1050 | 3310.14 | 0.1100 | 2611.95 | 0.1410 | 2142.32 |
| C.1100    | 3937.66 | 0.1150 | 3322.60 | 0.1200 | 2611.95 | 0.1610 | 2142.32 |
| C.1200    | 3963.83 | 0.1250 | 3341.22 | 0.1300 | 2635.59 | 0.1710 | 2144.25 |
| C.1300    | 3989.82 | 0.1350 | 3372.01 | 0.1400 | 2635.59 | 0.1910 | 2151.95 |
| C.1400    | 4015.64 | 0.1450 | 3341.22 | 0.1500 | 2635.59 | 0.2110 | 2161.53 |
| C.1500    | 4041.30 | 0.1550 | 3341.22 | 0.1600 | 2635.59 | 0.2410 | 2151.95 |
| C.1600    | 4041.30 | 0.1650 | 3341.22 | 0.1700 | 2635.59 | 0.2610 | 2142.32 |
| 0.1700    | 4041.30 | 0.1750 | 3341.22 | 0.1800 | 2635.59 | 0.2910 | 2132.65 |
| C.1800    | 4041.30 | 0.1850 | 3341.22 | 0.1900 | 2635.59 | 0.3110 | 2132.65 |
| C.1900    | 4041.30 | 0.1950 | 3341.22 | 0.2000 | 2635.59 | 0.3310 | 2122.93 |
| C.2000    | 4041.30 | 0.2050 | 3341.22 | 0.2100 | 2635.59 | 0.3510 | 2122.93 |
| C.2100    | 4015.64 | 0.2150 | 3341.22 | 0.2200 | 2635.59 | 0.3810 | 2113.17 |
| C.2200    | 3989.82 | 0.2250 | 3341.22 | 0.2300 | 2635.59 | 0.4110 | 2103.37 |
| C.2300    | 3963.83 | 0.2350 | 3310.14 | 0.2400 | 2635.59 | 0.4410 | 2083.62 |
| C.2400    | 3911.32 | 0.2450 | 3310.14 | 0.2500 | 2635.59 | 0.4710 | 2063.68 |
| 0.2500    | 3884.81 | 0.2550 | 3278.76 | 0.2600 | 2635.59 | 0.4910 | 2031.37 |
| C.2600    | 3831.22 | 0.2650 | 3259.79 | 0.2700 | 2635.59 | 0.5110 | 2012.96 |
| C.2700    | 3804.14 | 0.2750 | 3227.92 | 0.2800 | 2635.59 | 0.5310 | 1982.96 |
| C.2800    | 3749.40 | 0.2850 | 3202.20 | 0.2900 | 2627.73 | 0.5510 | 1967.26 |
| C.2900    | 3721.73 | 0.2950 | 3182.77 | 0.3000 | 2611.95 | 0.5710 | 1960.94 |
| C.3000    | 3693.85 | 0.3050 | 3169.76 | 0.3100 | 2611.95 | 0.5910 | 1929.05 |
| C.3100    | 3637.46 | 0.3150 | 3150.13 | 0.3200 | 2572.07 | 0.6110 | 1907.50 |
| 0.3200    | 3608.93 | 0.3250 | 3117.14 | 0.3300 | 2547.84 | 0.6410 | 1865.86 |
| C.3300    | 3551.18 | 0.3350 | 3097.18 | 0.3400 | 2531.56 | 0.6710 | 1835.70 |
| 0.3400    | 3521.95 | 0.3450 | 3050.10 | 0.3500 | 2531.56 | 0.7010 | 1807.33 |
| C.3500    | 3462.76 | 0.3550 | 3029.70 | 0.3600 | 2523.38 | 0.7310 | 1772.68 |
| 0.3600    | 3402.53 | 0.3650 | 2995.39 | 0.3800 | 2490.40 | 0.7510 | 1743.28 |
| C.3700    | 3341.22 | 0.3750 | 2974.61 | 0.4000 | 2448.54 | 0.7710 | 1725.40 |
| C.3800    | 3278.76 | 0.3850 | 2946.68 | 0.4200 | 2423.08 | 0.8010 | 1679.25 |
| C.3900    | 3215.09 | 0.3950 | 2932.61 | 0.4400 | 2405.95 | 0.8310 | 1626.72 |
| 0.4000    | 3163.23 | 0.4050 | 2890.00 | 0.4600 | 2388.70 | 0.8510 | 1607.54 |
| 0.4100    | 3130.38 | 0.4150 | 2802.85 | 0.4800 | 2318.43 | 0.8710 | 1588.14 |
| 0.4200    | 3070.37 | 0.4250 | 2839.49 | 0.5000 | 2300.53 | 0.9010 | 1555.25 |
| 0.4300    | 3016.02 | 0.4350 | 2802.85 | 0.5200 | 2245.96 | 0.9310 | 1503.89 |
| 0.4500    | 2946.68 | 0.4550 | 2743.21 | 0.5400 | 2208.84 | 0.9610 | 1462.07 |
| 0.4700    | 2780.63 | 0.4750 | 2651.23 | 0.5600 | 2180.58 | 0.9910 | 1423.38 |
| 0.4900    | 2689.94 | 0.4950 | 2572.07 | 0.5800 | 2142.32 | 1.0210 | 1382.11 |

| X----- 5.00 |         | 7.00   |         | 10.00  |         | 13.00  |         |
|-------------|---------|--------|---------|--------|---------|--------|---------|
| Y           | U       | Y      | U       | Y      | U       | Y      | U       |
| C.5100      | 2572.07 | 0.5150 | 2506.94 | 0.6000 | 2113.17 | 1.0510 | 1344.20 |
| C.5300      | 2490.40 | 0.5350 | 2448.54 | 0.6200 | 2103.37 | 1.0810 | 1313.08 |
| C.5500      | 2362.60 | 0.5550 | 2362.60 | 0.6500 | 2053.63 | 1.1110 | 1253.47 |
| C.5700      | 2227.48 | 0.5750 | 2273.41 | 0.6700 | 2023.21 | 1.1410 | 1220.04 |
| C.5900      | 2113.17 | 0.5950 | 2180.58 | 0.6900 | 1957.77 | 1.1710 | 1176.92 |
| C.6100      | 2053.63 | 0.6150 | 2151.95 | 0.7100 | 1918.31 | 1.2010 | 1150.26 |
| C.6300      | 1945.06 | 0.6350 | 2073.67 | 0.7400 | 1863.64 | 1.2310 | 1098.79 |
| C.6500      | 1841.32 | 0.6550 | 2043.54 | 0.7700 | 1807.33 | 1.2610 | 1056.59 |
| C.6700      | 1713.37 | 0.6750 | 1955.66 | 0.8000 | 1731.38 | 1.2910 | 1014.66 |
| C.6900      | 1633.06 | 0.6950 | 1912.91 | 0.8300 | 1676.78 | 1.3210 | 975.18  |
| 0.7100      | 1528.44 | 0.7150 | 1835.70 | 0.8600 | 1627.99 | 1.3510 | 947.22  |
| C.7300      | 1437.83 | 0.7350 | 1760.98 | 0.8900 | 1551.26 | 1.3710 | 909.36  |
| 0.7500      | 1325.61 | 0.7550 | 1682.94 | 0.9300 | 1466.31 | 1.3910 | 886.34  |
| C.7700      | 1202.98 | 0.7750 | 1658.19 | 0.9700 | 1389.57 | 1.4110 | 850.63  |
| 0.7900      | 1122.98 | 0.7950 | 1521.66 | 1.0100 | 1262.82 | 1.4310 | 825.97  |
| C.8100      | 1046.76 | 0.8150 | 1452.14 | 1.0500 | 1220.04 | 1.4610 | 800.55  |
| C.8300      | 942.85  | 0.8350 | 1379.12 | 1.0900 | 1126.66 | 1.4910 | 747.12  |
| 0.8500      | 850.63  | 0.8550 | 1317.79 | 1.1200 | 1064.38 | 1.5210 | 718.92  |
| C.8700      | 752.63  | 0.8750 | 1164.55 | 1.1600 | 996.16  | 1.5510 | 680.51  |
| C.8900      | 674.40  | 0.8950 | 1159.22 | 1.2000 | 909.36  | 1.5810 | 643.02  |
| 0.9100      | 582.28  | 0.9150 | 1104.42 | 1.2400 | 808.26  | 1.6110 | 610.02  |
| C.9300      | 518.42  | 0.9350 | 1056.59 | 1.2800 | 738.77  | 1.6410 | 556.87  |
| C.9500      | 380.41  | 0.9550 | 985.73  | 1.3300 | 626.74  | 1.6710 | 502.21  |
| 0.9700      | 352.20  | 0.9750 | 909.36  | 1.4000 | 575.13  | 1.7010 | 489.71  |
| 0.9900      | 265.12  | 0.9950 | 838.39  | 1.4100 | 454.68  | 1.7310 | 445.50  |
| 1.0100      | 143.78  | 1.0150 | 774.30  | 1.4500 | 385.81  | 1.7610 | 401.56  |
| 1.0300      | 0.00    | 1.0350 | 674.40  | 1.4900 | 287.57  | 1.7910 | 340.25  |
|             |         | 1.0550 | 649.42  | 1.5300 | 203.34  | 1.8210 | 287.57  |
|             |         | 1.0750 | 575.13  | 1.5900 | 0.00    | 1.8510 | 272.81  |
|             |         | 1.0950 | 498.08  |        |         | 1.8910 | 203.34  |
|             |         | 1.1150 | 431.35  |        |         | 1.9310 | 128.60  |
|             |         | 1.1350 | 380.41  |        |         | 1.9710 | 0.00    |
|             |         | 1.1550 | 249.04  |        |         |        |         |
|             |         | 1.1750 | 192.91  |        |         |        |         |
|             |         | 1.1950 | 0.00    |        |         |        |         |

TABLE A-19

ALPHA= 70.08

YC= 0.6350

REC= 19590.0

| X--- 16.00 |         | 20.00  |         | 24.00  |         | 28.00  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600     | 1719.16 | 0.0600 | 1359.12 | 0.0600 | 1130.71 | 0.0600 | 977.10  |
| C.0850     | 1721.80 | 0.0720 | 1364.05 | 0.0700 | 1159.22 | 0.0830 | 996.16  |
| C.1150     | 1784.30 | 0.0820 | 1364.05 | 0.0800 | 1171.63 | 0.1030 | 1036.83 |
| C.1350     | 1793.55 | 0.0920 | 1374.61 | 0.0900 | 1185.67 | 0.1230 | 1056.59 |
| C.1650     | 1816.45 | 0.1020 | 1386.59 | 0.1000 | 1202.98 | 0.1430 | 1075.97 |
| C.1950     | 1819.86 | 0.1120 | 1419.02 | 0.1100 | 1220.04 | 0.1630 | 1074.05 |
| C.2250     | 1835.70 | 0.1220 | 1437.83 | 0.1200 | 1228.48 | 0.1930 | 1091.24 |
| C.2450     | 1835.70 | 0.1320 | 1437.83 | 0.1300 | 1236.87 | 0.2230 | 1122.98 |
| C.2650     | 1846.93 | 0.1420 | 1452.14 | 0.1400 | 1240.21 | 0.2530 | 1113.74 |
| C.2950     | 1846.93 | 0.1520 | 1466.31 | 0.1500 | 1240.21 | 0.2830 | 1113.74 |
| C.3250     | 1830.06 | 0.1620 | 1473.34 | 0.1600 | 1261.69 | 0.3330 | 1117.45 |
| C.3550     | 1825.54 | 0.1720 | 1480.34 | 0.1700 | 1261.69 | 0.3830 | 1122.98 |
| C.3850     | 1813.04 | 0.1820 | 1480.34 | 0.1800 | 1261.69 | 0.4330 | 1122.98 |
| C.4150     | 1795.85 | 0.1920 | 1480.34 | 0.1900 | 1261.69 | 0.4830 | 1113.74 |
| C.4450     | 1772.68 | 0.2020 | 1494.24 | 0.2000 | 1261.69 | 0.5330 | 1113.74 |
| C.4750     | 1763.32 | 0.2120 | 1494.24 | 0.2100 | 1261.69 | 0.5830 | 1098.79 |
| C.5050     | 1751.56 | 0.2220 | 1494.24 | 0.2200 | 1261.69 | 0.6330 | 1098.79 |
| C.5350     | 1725.40 | 0.2320 | 1494.24 | 0.2300 | 1261.69 | 0.6830 | 1095.02 |
| C.5550     | 1719.40 | 0.2420 | 1494.24 | 0.2400 | 1261.69 | 0.7330 | 1091.24 |
| C.5750     | 1703.69 | 0.2520 | 1494.24 | 0.2500 | 1269.86 | 0.7830 | 1072.12 |
| C.6050     | 1689.07 | 0.2620 | 1501.14 | 0.2800 | 1277.97 | 0.8830 | 1056.59 |
| C.6450     | 1664.41 | 0.2720 | 1501.14 | 0.3000 | 1277.97 | 0.9830 | 1036.83 |
| C.6750     | 1633.06 | 0.2820 | 1501.14 | 0.3200 | 1286.04 | 1.0830 | 1012.63 |
| C.7050     | 1622.90 | 0.3020 | 1505.27 | 0.3400 | 1289.25 | 1.1830 | 985.73  |
| C.7350     | 1581.61 | 0.3220 | 1501.14 | 0.3800 | 1286.04 | 1.2830 | 942.85  |
| C.7650     | 1568.49 | 0.3420 | 1501.14 | 0.4300 | 1286.04 | 1.3830 | 920.66  |
| C.7950     | 1537.87 | 0.4020 | 1501.14 | 0.4800 | 1286.04 | 1.4830 | 904.81  |
| 0.8350     | 1508.01 | 0.4520 | 1501.14 | 0.5300 | 1286.04 | 1.5830 | 862.70  |
| 0.8750     | 1477.54 | 0.5020 | 1473.34 | 0.5800 | 1277.97 | 1.6830 | 813.36  |
| 0.9050     | 1452.14 | 0.5520 | 1452.14 | 0.6300 | 1269.86 | 1.7830 | 795.37  |
| C.9350     | 1426.28 | 0.6120 | 1437.83 | 0.6800 | 1261.69 | 1.8830 | 782.26  |
| C.9650     | 1407.31 | 0.6520 | 1401.42 | 0.7300 | 1245.20 | 1.9830 | 733.15  |
| C.9950     | 1367.07 | 0.7020 | 1386.59 | 0.7800 | 1211.54 | 2.0830 | 704.39  |
| 1.0350     | 1333.39 | 0.7520 | 1379.12 | 0.8400 | 1202.98 | 2.1830 | 668.24  |
| 1.0750     | 1302.01 | 0.8020 | 1348.81 | 0.8800 | 1194.35 | 2.2830 | 643.02  |
| 1.1150     | 1253.47 | 0.8520 | 1333.39 | 0.9300 | 1253.47 | 2.3830 | 603.20  |
| 1.1550     | 1233.52 | 0.9020 | 1317.79 | 0.9800 | 1168.10 | 2.4830 | 575.13  |
| 1.2050     | 1185.67 | 0.9520 | 1269.86 | 1.0300 | 1141.24 | 2.5830 | 545.62  |
| 1.2450     | 1150.26 | 1.0020 | 1159.22 | 1.0800 | 1128.49 | 2.6830 | 518.42  |
| 1.2850     | 1113.74 | 1.0520 | 1220.04 | 1.1300 | 1095.02 | 2.7830 | 454.68  |
| 1.3250     | 1075.97 | 1.1020 | 1202.98 | 1.1800 | 1085.54 | 2.8830 | 445.50  |
| 1.3750     | 1016.70 | 1.1520 | 1176.92 | 1.2300 | 1056.59 | 2.9830 | 406.68  |

| X--- 16.00 |        | 20.00  |         | 24.00  |         | 28.00  |        |
|------------|--------|--------|---------|--------|---------|--------|--------|
| Y          | U      | Y      | U       | Y      | U       | Y      | U      |
| 1.4350     | 953.75 | 1.2120 | 1132.15 | 1.2800 | 1036.83 | 3.0850 | 896.38 |
| 1.4950     | 913.90 | 1.2520 | 1095.02 | 1.3300 | 1016.70 | 3.2830 | 801.60 |
| 1.5450     | 879.31 | 1.3020 | 1075.97 | 1.3800 | 996.16  | 3.4830 | 722.75 |
| 1.6250     | 787.53 | 1.3520 | 1036.83 | 1.4300 | 975.18  | 3.6830 | 603.34 |
| 1.6750     | 755.37 | 1.4020 | 1016.70 | 1.4800 | 953.75  | 3.8830 | 543.78 |
| 1.7350     | 704.39 | 1.4520 | 964.53  | 1.5300 | 931.82  | 4.0830 | 0.00   |
| 1.7950     | 643.02 | 1.5020 | 931.82  | 1.5800 | 909.36  |        |        |
| 1.8450     | 575.13 | 1.5520 | 909.36  | 1.6300 | 886.34  |        |        |
| 1.8950     | 537.99 | 1.6020 | 886.34  | 1.6800 | 862.70  |        |        |
| 1.9450     | 498.08 | 1.6520 | 862.70  | 1.7300 | 843.31  |        |        |
| 1.9950     | 459.21 | 1.7020 | 838.39  | 1.7800 | 813.36  |        |        |
| 2.0450     | 406.68 | 1.7520 | 787.53  | 1.8800 | 787.53  |        |        |
| 2.0950     | 358.02 | 1.8020 | 760.83  | 1.9800 | 733.15  |        |        |
| 2.1450     | 334.12 | 1.8520 | 733.15  | 2.0800 | 698.50  |        |        |
| 2.2150     | 203.34 | 1.9020 | 704.39  | 2.1800 | 658.90  |        |        |
| 2.2650     | 192.91 | 1.9520 | 674.40  | 2.2800 | 610.02  |        |        |
| 2.3450     |        | 2.0020 | 643.02  | 2.3800 | 575.13  |        |        |
|            |        | 2.0520 | 610.02  | 2.4800 | 537.99  |        |        |
|            |        | 2.1020 | 575.13  | 2.5800 | 498.08  |        |        |
|            |        | 2.1520 | 545.62  | 2.6800 | 454.68  |        |        |
|            |        | 2.2020 | 498.08  | 2.7800 | 406.68  |        |        |
|            |        | 2.2520 | 454.68  | 2.8800 | 352.20  |        |        |
|            |        | 2.3020 | 431.35  | 2.9800 | 287.57  |        |        |
|            |        | 2.3520 | 380.41  | 3.0800 | 249.04  |        |        |
|            |        | 2.4020 | 363.75  | 3.1800 | 203.34  |        |        |
|            |        | 2.4520 | 352.20  | 3.2800 | 203.34  |        |        |
|            |        | 2.5020 | 340.25  | 3.3800 | 181.87  |        |        |
|            |        | 2.5520 | 308.38  | 3.4800 | 170.13  |        |        |
|            |        | 2.6020 | 287.57  | 3.5800 | 143.78  |        |        |
|            |        | 2.6520 | 272.81  | 3.6800 | 111.37  |        |        |
|            |        | 2.7020 | 249.04  | 3.7800 | 0.00    |        |        |
|            |        | 2.8020 | 143.78  |        |         |        |        |
|            |        | 2.9020 | 0.00    |        |         |        |        |

TABLE A-19

ALPHA= 70.08

YC= 0.6350

REC= 19590.0

X--- 32.00

| Y      | U      |
|--------|--------|
| 0.0600 | 869.19 |
| 0.0800 | 867.48 |

X----- 32.00

| Y      | U      |
|--------|--------|
| C.1100 | 886.34 |
| C.1400 | 909.36 |
| C.1700 | 931.82 |
| C.2000 | 945.04 |
| C.2300 | 953.75 |
| C.2600 | 953.75 |
| C.2900 | 975.18 |
| C.3300 | 970.94 |
| C.3600 | 992.00 |
| C.4000 | 975.18 |
| C.4400 | 970.94 |
| C.4800 | 970.94 |
| C.5300 | 970.94 |
| C.5700 | 970.94 |
| C.6200 | 970.94 |
| C.7000 | 970.94 |
| C.7500 | 958.07 |
| C.8000 | 953.75 |
| C.9000 | 942.85 |
| 1.0000 | 927.37 |
| 1.1000 | 909.36 |
| 1.2000 | 886.34 |
| 1.3000 | 867.48 |
| 1.4000 | 850.63 |
| 1.5000 | 838.39 |
| 1.6000 | 813.36 |
| 1.7000 | 774.30 |
| 1.9000 | 733.15 |
| 2.1000 | 674.40 |
| 2.3000 | 616.76 |
| 2.5000 | 592.83 |
| 2.7000 | 537.99 |
| 2.9000 | 493.91 |
| 3.1000 | 416.72 |
| 3.3000 | 380.41 |
| 3.5000 | 352.20 |
| 3.9000 | 287.57 |
| 4.2000 | 203.34 |
| 4.5000 | 170.13 |
| 4.8000 | 90.94  |
| 5.0000 | 0.00   |

A=92

TABLE A-20

ALPHA= 70.08

YC= 1.2700

REC= 33460.0

| X=--- 0.00 |         | 1.50   |         | 2.50   |         | 4.50   |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600     | 3723.49 | 0.0600 | 3587.22 | 0.0600 | 3499.35 | 0.0600 | 3278.89 |
| C.0650     | 3716.17 | 0.0700 | 3608.93 | 0.0800 | 3492.48 | 0.0770 | 3297.62 |
| C.0750     | 3716.17 | 0.0800 | 3721.73 | 0.1000 | 3608.93 | 0.0970 | 3378.14 |
| C.0850     | 3804.14 | 0.0850 | 3749.40 | 0.1200 | 3693.85 | 0.1170 | 3486.56 |
| C.0900     | 3831.22 | 0.0900 | 3760.42 | 0.1400 | 3765.91 | 0.1370 | 3551.18 |
| C.0950     | 3884.81 | 0.1000 | 3804.14 | 0.1600 | 3804.14 | 0.1570 | 3580.17 |
| C.1000     | 3895.43 | 0.1100 | 3815.00 | 0.1800 | 3858.11 | 0.1770 | 3626.07 |
| C.1050     | 3911.32 | 0.1200 | 3858.11 | 0.2000 | 3831.22 | 0.1970 | 3631.77 |
| C.1150     | 3963.83 | 0.1300 | 3884.81 | 0.2200 | 3831.22 | 0.2170 | 3648.81 |
| C.1250     | 3953.38 | 0.1400 | 3884.81 | 0.2400 | 3831.22 | 0.2370 | 3626.07 |
| C.1350     | 3937.66 | 0.1500 | 3884.81 | 0.2700 | 3760.42 | 0.2570 | 3580.17 |
| C.1450     | 3911.32 | 0.1600 | 3884.81 | 0.3000 | 3721.73 | 0.2870 | 3462.76 |
| C.1550     | 3911.32 | 0.1700 | 3884.81 | 0.3100 | 3637.46 | 0.3170 | 3450.79 |
| C.1650     | 3911.32 | 0.1800 | 3884.81 | 0.3600 | 3608.93 | 0.3470 | 3372.01 |
| C.1750     | 3911.32 | 0.1900 | 3884.81 | 0.3900 | 3521.95 | 0.3770 | 3266.12 |
| C.1850     | 3911.32 | 0.2000 | 3884.81 | 0.4200 | 3444.80 | 0.4070 | 3176.27 |
| C.1950     | 3911.32 | 0.2100 | 3884.81 | 0.4500 | 3372.01 | 0.4370 | 3083.80 |
| C.2050     | 3911.32 | 0.2200 | 3884.81 | 0.4800 | 3278.76 | 0.4670 | 2981.55 |
| C.2150     | 3911.32 | 0.2300 | 3868.81 | 0.5000 | 3247.08 | 0.4970 | 2911.39 |
| C.2250     | 3911.32 | 0.2400 | 3858.11 | 0.5300 | 3182.77 | 0.5270 | 2817.56 |
| C.2350     | 3900.74 | 0.2500 | 3831.22 | 0.5600 | 3016.02 | 0.5770 | 2635.59 |
| C.2450     | 3884.81 | 0.2600 | 3804.14 | 0.5900 | 2946.68 | 0.6070 | 2547.84 |
| C.2550     | 3868.81 | 0.2700 | 3804.14 | 0.6200 | 2817.56 | 0.6370 | 2456.97 |
| C.2650     | 3868.81 | 0.2800 | 3804.14 | 0.6500 | 2743.21 | 0.6670 | 2318.43 |
| C.2750     | 3868.81 | 0.2900 | 3776.87 | 0.6900 | 2611.95 | 0.6970 | 2245.96 |
| C.2850     | 3858.11 | 0.3000 | 3760.42 | 0.7200 | 2448.54 | 0.7270 | 2132.65 |
| C.2950     | 3831.22 | 0.3100 | 3749.40 | 0.7500 | 2318.43 | 0.7570 | 2063.68 |
| C.3150     | 3804.14 | 0.3200 | 3721.73 | 0.7800 | 2199.46 | 0.7770 | 1976.69 |
| C.3350     | 3804.14 | 0.3300 | 3693.85 | 0.8100 | 2113.17 | 0.8070 | 1869.18 |
| C.3550     | 3760.42 | 0.3400 | 3665.76 | 0.8400 | 2012.96 | 0.8370 | 1787.77 |
| C.3750     | 3749.40 | 0.3500 | 3637.46 | 0.8600 | 1929.05 | 0.8770 | 1670.61 |
| C.3950     | 3721.73 | 0.3600 | 3608.93 | 0.8800 | 1835.70 | 0.9070 | 1571.12 |
| C.4150     | 3693.85 | 0.3800 | 3580.17 | 0.8900 | 1801.60 | 0.9470 | 1452.14 |
| C.4350     | 3665.76 | 0.4000 | 3551.18 | 0.9000 | 1778.50 | 0.9770 | 1348.81 |
| C.4550     | 3637.46 | 0.4200 | 3521.95 | 0.9100 | 1733.76 | 1.0070 | 1269.86 |
| C.4750     | 3608.93 | 0.4400 | 3492.48 | 0.9300 | 1651.94 | 1.0370 | 1194.35 |
| C.4950     | 3580.17 | 0.4600 | 3432.77 | 0.9500 | 1575.07 | 1.0670 | 1095.02 |
| C.5150     | 3551.18 | 0.4800 | 3372.01 | 0.9700 | 1490.08 | 1.1070 | 994.08  |
| C.5350     | 3521.95 | 0.5000 | 3328.82 | 0.9900 | 1423.38 | 1.1370 | 900.22  |
| C.5550     | 3492.48 | 0.5200 | 3266.12 | 1.0100 | 1356.45 | 1.1670 | 813.36  |
| C.5750     | 3474.68 | 0.5400 | 3202.20 | 1.0300 | 1287.64 | 1.1970 | 755.37  |
| C.5950     | 3442.77 | 0.5600 | 3136.98 | 1.0500 | 1228.48 | 1.2270 | 674.40  |



| X---- 0.00 |         | 1.50   |         | 2.50   |         | 4.50   |        |
|------------|---------|--------|---------|--------|---------|--------|--------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U      |
| C.6450     | 3372.01 | 0.5800 | 3083.80 | 1.0700 | 1143.05 | 1.2570 | 610.02 |
| C.6950     | 3247.08 | 0.6000 | 3016.02 | 1.0900 | 1070.19 | 1.2870 | 518.42 |
| C.7550     | 3097.18 | 0.6200 | 2981.55 | 1.1100 | 996.16  | 1.3170 | 454.68 |
| 0.8050     | 2981.55 | 0.6400 | 2875.66 | 1.1300 | 942.85  | 1.3470 | 369.39 |
| C.8450     | 2875.66 | 0.6600 | 2824.89 | 1.1600 | 843.31  | 1.3770 | 287.57 |
| 0.8950     | 2651.23 | 0.6800 | 2765.72 | 1.2000 | 704.39  | 1.4070 | 231.84 |
| C.9450     | 2405.95 | 0.7100 | 2674.52 | 1.2300 | 613.40  | 1.4370 | 90.94  |
| C.9950     | 2132.65 | 0.7400 | 2506.94 | 1.2600 | 518.42  | 1.4470 | 0.00   |
| 1.0450     | 1923.69 | 0.7800 | 2362.60 | 1.3000 | 406.68  |        |        |
| 1.0950     | 1633.06 | 0.8100 | 2227.48 | 1.3400 | 287.57  |        |        |
| 1.1450     | 1371.60 | 0.8600 | 2043.54 | 1.3800 | 0.00    |        |        |
| 1.1950     | 1075.97 | 0.8800 | 1976.69 |        |         |        |        |
| 1.2450     | 874.60  | 0.9000 | 1880.21 |        |         |        |        |
| 1.5950     | 0.00    | 0.9300 | 1731.38 |        |         |        |        |
|            |         | 0.9600 | 1620.35 |        |         |        |        |
|            |         | 0.9900 | 1498.38 |        |         |        |        |
|            |         | 1.0200 | 1364.05 |        |         |        |        |
|            |         | 1.0500 | 1220.04 |        |         |        |        |
|            |         | 1.0900 | 1085.54 |        |         |        |        |
|            |         | 1.1300 | 909.36  |        |         |        |        |
|            |         | 1.1700 | 760.83  |        |         |        |        |
|            |         | 1.2100 | 610.02  |        |         |        |        |
|            |         | 1.2500 | 454.68  |        |         |        |        |
|            |         | 1.2900 | 340.25  |        |         |        |        |
|            |         | 1.3400 |         |        |         |        |        |

TABLE A-20

ALPHA= 70.08

YC= 1.2700

REC= 33460.0

| X---- 6.50 |         | 9.50   |         | 12.50  |         | 15.50  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600     | 3042.49 | 0.0600 | 2640.78 | 0.0600 | 2136.85 | 0.0600 | 1770.31 |
| 0.0870     | 3056.87 | 0.0760 | 2635.59 | 0.0700 | 2132.65 | 0.0630 | 1772.68 |
| C.1070     | 3130.38 | 0.0960 | 2666.78 | 0.0800 | 2151.95 | 0.0680 | 1807.33 |
| 0.1270     | 3215.09 | 0.1160 | 2705.26 | 0.0900 | 2180.58 | 0.0730 | 1818.73 |
| 0.1470     | 3266.12 | 0.1360 | 2712.89 | 0.1000 | 2208.84 | 0.0830 | 1830.06 |
| 0.1670     | 3291.35 | 0.1660 | 2735.66 | 0.1100 | 2227.48 | 0.0930 | 1841.32 |
| 0.1970     | 3291.35 | 0.1960 | 2743.21 | 0.1200 | 2227.48 | 0.1030 | 1852.52 |
| 0.2170     | 3278.76 | 0.2260 | 2743.21 | 0.1300 | 2255.15 | 0.1130 | 1874.70 |
| 0.2370     | 3278.76 | 0.2560 | 2712.89 | 0.1400 | 2273.41 | 0.1330 | 1896.63 |

| X--- 6.50 |         | 9.50   |         | 12.50  |         | 15.50  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| C.2570    | 3266.12 | 0.2860 | 2666.78 | 0.1500 | 2273.41 | 0.1530 | 1907.50 |
| 0.2870    | 3202.20 | 0.3160 | 2651.23 | 0.1600 | 2273.41 | 0.1730 | 1918.31 |
| C.3170    | 3136.98 | 0.3460 | 2635.59 | 0.1700 | 2273.41 | 0.1930 | 1918.31 |
| C.3470    | 3083.80 | 0.3860 | 2531.56 | 0.1800 | 2273.41 | 0.2130 | 1929.05 |
| C.3770    | 3029.70 | 0.4160 | 2515.18 | 0.1900 | 2273.41 | 0.2330 | 1929.05 |
| C.4070    | 2960.68 | 0.4460 | 2465.37 | 0.2000 | 2273.41 | 0.2530 | 1929.05 |
| C.4370    | 2897.15 | 0.4860 | 2388.70 | 0.2100 | 2273.41 | 0.2730 | 1929.05 |
| C.4670    | 2817.56 | 0.5260 | 2318.43 | 0.2200 | 2273.41 | 0.3230 | 1929.05 |
| C.4970    | 2712.89 | 0.5760 | 2236.74 | 0.2300 | 2273.41 | 0.3730 | 1874.70 |
| 0.5270    | 2635.59 | 0.6160 | 2161.53 | 0.2400 | 2273.41 | 0.3930 | 1869.18 |
| C.5570    | 2555.94 | 0.6560 | 2113.17 | 0.2500 | 2273.41 | 0.4130 | 1869.18 |
| C.5870    | 2473.74 | 0.6960 | 2028.31 | 0.2600 | 2273.41 | 0.4330 | 1858.09 |
| C.6170    | 2388.70 | 0.7360 | 1960.94 | 0.2700 | 2273.41 | 0.4530 | 1852.52 |
| C.6470    | 2300.53 | 0.7760 | 1874.70 | 0.2900 | 2273.41 | 0.4730 | 1846.93 |
| C.6870    | 2151.95 | 0.8160 | 1807.33 | 0.3100 | 2255.15 | 0.4930 | 1841.32 |
| C.7170    | 2103.37 | 0.8560 | 1734.96 | 0.3300 | 2227.48 | 0.5130 | 1835.70 |
| C.7470    | 2010.91 | 0.8960 | 1639.38 | 0.3500 | 2199.46 | 0.5330 | 1824.40 |
| C.7770    | 1918.31 | 0.9360 | 1572.44 | 0.3700 | 2161.53 | 0.5530 | 1818.73 |
| C.8070    | 1826.67 | 0.9860 | 1535.18 | 0.4200 | 2151.95 | 0.5730 | 1807.33 |
| C.8370    | 1757.45 | 1.0260 | 1401.42 | 0.4700 | 2113.17 | 0.5930 | 1795.85 |
| C.8670    | 1689.07 | 1.0560 | 1345.74 | 0.5200 | 2073.67 | 0.6130 | 1784.30 |
| C.8970    | 1601.10 | 1.0860 | 1269.86 | 0.5700 | 2023.21 | 0.6330 | 1760.98 |
| C.9270    | 1521.66 | 1.1160 | 1233.52 | 0.6200 | 1966.20 | 0.6530 | 1749.20 |
| C.9470    | 1473.34 | 1.1460 | 1164.55 | 0.6700 | 1912.91 | 0.6730 | 1731.38 |
| 0.9770    | 1386.59 | 1.1860 | 1104.42 | 0.7200 | 1835.70 | 0.6930 | 1707.33 |
| 1.0070    | 1309.93 | 1.2160 | 1046.76 | 0.7700 | 1790.09 | 0.7130 | 1682.94 |
| 1.0370    | 1240.21 | 1.2460 | 992.00  | 0.8200 | 1725.40 | 0.7330 | 1670.61 |
| 1.0670    | 1176.92 | 1.2860 | 909.36  | 0.8700 | 1629.26 | 0.7530 | 1664.41 |
| 1.0970    | 1095.02 | 1.3260 | 843.31  | 0.9200 | 1581.61 | 0.7730 | 1651.94 |
| 1.1270    | 1030.84 | 1.3660 | 787.53  | 0.9700 | 1521.66 | 0.7930 | 1620.35 |
| 1.1570    | 975.18  | 1.4060 | 713.14  | 1.0200 | 1437.83 | 0.8130 | 1607.54 |
| 1.1970    | 862.70  | 1.4460 | 643.02  | 1.0700 | 1371.60 | 0.8330 | 1601.10 |
| 1.2270    | 813.36  | 1.4860 | 578.72  | 1.1200 | 1317.79 | 0.8530 | 1561.88 |
| 1.2570    | 747.12  | 1.5160 | 537.99  | 1.1700 | 1245.20 | 0.8730 | 1548.59 |
| 1.2970    | 658.90  | 1.5560 | 468.12  | 1.2200 | 1176.92 | 0.8930 | 1521.66 |
| 1.3270    | 603.20  | 1.5960 | 406.68  | 1.2700 | 1113.74 | 0.9130 | 1501.14 |
| 1.3670    | 518.42  | 1.6360 | 352.20  | 1.3200 | 1046.76 | 0.9330 | 1480.34 |
| 1.3970    | 454.68  | 1.6760 | 203.34  | 1.3700 | 964.53  | 0.9530 | 1466.31 |
| 1.4270    | 396.38  | 1.7260 | 181.87  | 1.4200 | 909.36  | 0.9730 | 1445.00 |
| 1.4670    | 287.57  | 1.7760 | 0.00    | 1.4700 | 825.97  | 0.9930 | 1423.38 |
| 1.4970    | 222.75  |        |         | 1.5200 | 747.12  | 1.0130 | 1408.78 |
| 1.5270    | 181.87  |        |         | 1.5700 | 704.39  | 1.0330 | 1394.03 |
| 1.5570    | 90.94   |        |         | 1.6200 | 649.42  | 1.0530 | 1379.12 |
| 1.5770    | 0.00    |        |         | 1.6700 | 592.83  | 1.0730 | 1364.05 |
|           |         |        |         | 1.7200 | 518.42  | 1.0930 | 1341.12 |
|           |         |        |         | 1.7700 | 454.68  | 1.1130 | 1309.93 |

A-95

X----- 6.50  
Y U

9.50  
Y U

12.50  
Y U  
1.8200 380.41  
1.8700 321.51  
1.9200 203.34  
1.9700 192.91  
2.0200 90.94  
2.0700 0.00

15.50  
Y U  
1.1330 1294.05  
1.1530 1269.86  
1.1730 1253.47  
1.1930 1236.87  
1.2130 1220.04  
1.2330 1202.98  
1.2530 1185.67  
1.2730 1159.22  
1.2930 1132.15  
1.3130 1113.74  
1.3330 1095.02  
1.3530 1075.97  
1.3730 1056.59  
1.3930 1036.83  
1.4130 1016.70  
1.4330 996.16  
1.4530 975.18  
1.4730 953.75  
1.4930 931.82  
1.5130 909.36  
1.5330 897.93  
1.5530 862.70  
1.5830 850.63  
1.5930 825.97  
1.6130 800.55  
1.6330 787.53  
1.6530 774.30  
1.6730 760.83  
1.6930 747.12  
1.7130 733.15  
1.7330 718.92  
1.7730 658.90  
1.8230 610.02  
1.8730 575.13  
1.9230 537.99  
1.9730 476.87  
2.0230 416.72  
2.0730 352.20  
2.1230 321.51  
2.1730 249.04  
2.2230 222.75  
2.2730 143.78  
2.3230 90.94  
2.3730 0.00

TABLE A-20

ALPHA= 70.00

YC= 1.2700

REC= 33400.0

| X--- 19.50 |         | 23.50  |         | 27.50  |         | 31.50  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600     | 1440.66 | 0.0600 | 1222.44 | 0.0600 | 1018.70 | 0.0600 | 906.59  |
| C.0700     | 1480.34 | 0.0800 | 1228.48 | 0.0800 | 1018.73 | 0.0910 | 913.90  |
| C.0800     | 1494.24 | 0.1000 | 1260.05 | 0.1000 | 1040.81 | 0.1210 | 953.75  |
| C.0900     | 1521.66 | 0.1300 | 1302.01 | 0.1200 | 1096.91 | 0.1510 | 996.16  |
| C.1000     | 1535.18 | 0.1500 | 1325.61 | 0.1500 | 1121.14 | 0.1810 | 1008.53 |
| C.1100     | 1548.59 | 0.1700 | 1344.20 | 0.1800 | 1150.26 | 0.2110 | 1016.70 |
| C.1200     | 1561.88 | 0.1900 | 1348.81 | 0.2100 | 1162.78 | 0.2810 | 1056.59 |
| C.1300     | 1575.07 | 0.2100 | 1364.05 | 0.2400 | 1176.92 | 0.3310 | 1058.54 |
| C.1400     | 1588.14 | 0.2300 | 1364.05 | 0.2700 | 1182.17 | 0.3810 | 1058.54 |
| C.1500     | 1601.10 | 0.2500 | 1367.07 | 0.3000 | 1194.35 | 0.4810 | 1058.54 |
| 0.1600     | 1594.63 | 0.2800 | 1379.12 | 0.3300 | 1194.35 | 0.5310 | 1058.54 |
| C.1700     | 1594.63 | 0.3100 | 1379.12 | 0.3600 | 1197.31 | 0.5810 | 1058.54 |
| C.1800     | 1594.63 | 0.3400 | 1379.12 | 0.4000 | 1202.98 | 0.6310 | 1056.59 |
| 0.1900     | 1601.10 | 0.3700 | 1386.59 | 0.4200 | 1204.69 | 0.6810 | 1056.59 |
| C.2000     | 1607.54 | 0.4000 | 1386.59 | 0.4700 | 1206.41 | 0.7310 | 1040.81 |
| C.2100     | 1613.96 | 0.4300 | 1386.59 | 0.5200 | 1204.69 | 0.7810 | 1040.81 |
| C.2200     | 1620.35 | 0.4700 | 1386.59 | 0.5700 | 1202.98 | 0.8310 | 1036.83 |
| C.2300     | 1624.18 | 0.5200 | 1371.60 | 0.6200 | 1185.67 | 0.8810 | 1020.76 |
| C.2400     | 1626.72 | 0.5700 | 1364.05 | 0.6700 | 1182.17 | 0.9310 | 1020.76 |
| C.2500     | 1624.18 | 0.6000 | 1348.81 | 0.7200 | 1182.17 | 0.9810 | 1008.53 |
| C.2600     | 1620.35 | 0.6400 | 1344.20 | 0.8200 | 1157.43 | 1.0310 | 996.16  |
| C.2700     | 1620.35 | 0.6800 | 1339.58 | 0.9200 | 1121.14 | 1.1310 | 985.73  |
| 0.2900     | 1613.96 | 0.7300 | 1317.79 | 1.0200 | 1102.55 | 1.2310 | 964.53  |
| C.3100     | 1613.96 | 0.7800 | 1302.01 | 1.1200 | 1095.02 | 1.3310 | 931.82  |
| C.3700     | 1607.54 | 0.8200 | 1298.83 | 1.2200 | 1052.67 | 1.4310 | 909.36  |
| C.4300     | 1598.52 | 0.8500 | 1281.20 | 1.3200 | 1012.63 | 1.5310 | 886.34  |
| C.4800     | 1581.61 | 0.9000 | 1263.33 | 1.4200 | 975.18  | 1.6310 | 855.48  |
| 0.5200     | 1568.49 | 0.9500 | 1255.12 | 1.5200 | 949.40  | 1.7310 | 838.39  |
| 0.5700     | 1555.25 | 1.0000 | 1211.54 | 1.6200 | 909.36  | 1.8310 | 818.43  |
| C.6200     | 1528.44 | 1.0500 | 1194.35 | 1.7200 | 881.66  | 1.9310 | 766.24  |
| C.6700     | 1501.14 | 1.1000 | 1171.63 | 1.8200 | 838.39  | 2.0310 | 758.11  |
| C.7200     | 1480.34 | 1.2000 | 1126.66 | 1.9200 | 782.26  | 2.1310 | 730.33  |
| C.7700     | 1459.24 | 1.3000 | 1083.63 | 2.0200 | 766.24  | 2.2310 | 695.53  |
| 0.8200     | 1423.38 | 1.4000 | 1036.83 | 2.1200 | 733.15  | 2.3310 | 668.24  |
| C.8700     | 1408.78 | 1.5000 | 985.73  | 2.2200 | 704.39  | 2.4310 | 643.02  |
| 0.9200     | 1379.12 | 1.6000 | 938.45  | 2.3200 | 658.90  | 2.5310 | 603.20  |
| 0.9700     | 1356.45 | 1.7000 | 902.52  | 2.4200 | 626.74  | 2.6310 | 582.28  |
| 1.0200     | 1309.93 | 1.8000 | 857.89  | 2.5200 | 592.83  | 2.7310 | 567.90  |
| 1.0700     | 1286.04 | 1.9000 | 787.53  | 2.6200 | 545.62  | 2.8310 | 526.33  |
| 1.1200     | 1253.47 | 2.0000 | 760.83  | 2.7200 | 506.31  | 2.9310 | 498.08  |
| 1.1700     | 1236.87 | 2.1000 | 695.53  | 2.8200 | 489.71  | 3.0310 | 454.68  |
| 1.2200     | 1202.98 | 2.2000 | 652.59  | 2.9200 | 445.50  | 3.1310 | 445.50  |

A=97

X---- 19.50

| Y      | U       |
|--------|---------|
| 1.2700 | 1168.10 |
| 1.3200 | 1122.98 |
| 1.3700 | 1085.54 |
| 1.4200 | 1056.59 |
| 1.4700 | 1016.70 |
| 1.5200 | 975.18  |
| 1.5700 | 942.85  |
| 1.6200 | 920.66  |
| 1.6700 | 897.93  |
| 1.7200 | 862.70  |
| 1.7700 | 825.97  |
| 1.8200 | 774.30  |
| 1.8700 | 752.63  |
| 1.9200 | 733.15  |
| 1.9700 | 704.39  |
| 2.0200 | 658.90  |
| 2.0700 | 626.74  |
| 2.1200 | 592.83  |
| 2.1700 | 556.87  |
| 2.2200 | 518.42  |
| 2.2700 | 498.08  |
| 2.3200 | 454.68  |
| 2.3700 | 431.35  |
| 2.4200 | 352.20  |
| 2.4700 | 321.51  |
| 2.5200 | 287.57  |
| 2.5700 | 272.81  |
| 2.6200 | 249.04  |
| 2.6700 | 203.34  |
| 2.7200 | 143.78  |
| 2.7700 | 0.00    |

23.50

| Y      | U      |
|--------|--------|
| 2.3000 | 610.02 |
| 2.4000 | 564.25 |
| 2.5000 | 514.41 |
| 2.6000 | 454.68 |
| 2.7000 | 426.53 |
| 2.8000 | 363.75 |
| 2.9000 | 301.60 |
| 3.0000 | 287.57 |
| 3.1000 | 272.81 |
| 3.2000 | 203.34 |
| 3.3000 | 90.94  |
| 3.4000 | 0.00   |

27.50

| Y      | U      |
|--------|--------|
| 3.0200 | 406.68 |
| 3.1200 | 352.20 |
| 3.2200 | 340.25 |
| 3.3200 | 287.57 |
| 3.4200 | 280.28 |
| 3.5200 | 203.34 |
| 3.6200 | 192.91 |
| 3.7200 | 143.78 |
| 3.8200 | 64.30  |
| 3.9200 | 0.00   |

31.50

| Y      | U      |
|--------|--------|
| 3.2310 | 416.72 |
| 3.3310 | 391.13 |
| 3.4310 | 352.20 |
| 3.5310 | 334.12 |
| 3.6310 | 301.60 |
| 3.7310 | 280.28 |
| 3.8310 | 272.81 |
| 3.9310 | 222.75 |
| 4.0310 | 192.91 |
| 4.1310 | 181.87 |
| 4.2310 | 128.60 |
| 4.3310 | 111.37 |
| 4.4310 | 90.94  |
| 4.5310 | 0.00   |

TABLE A-21

ALPHA= 90.00

YC= 0.0991

REC= 3334.0

| X=0.00 |         | 0.50   |         | 1.00   |         | 1.50   |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Y      | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600 | 4990.60 | 0.0600 | 5409.68 | 0.0600 | 4224.85 | 0.0600 | 2656.45 |
| C.0770 | 4980.79 | 0.0670 | 5379.87 | 0.0690 | 4361.16 | 0.0680 | 2728.09 |
| C.0870 | 4980.79 | 0.0770 | 5321.92 | 0.0740 | 4546.82 | 0.0730 | 2728.09 |
| C.0970 | 5001.50 | 0.0870 | 4811.90 | 0.0790 | 4681.24 | 0.0780 | 2728.09 |
| C.1070 | 5042.67 | 0.0970 | 2981.55 | 0.0840 | 4703.27 | C.0830 | 2765.72 |
| C.1170 | 4939.11 | 0.1170 | 287.57  | 0.0890 | 4703.27 | C.0880 | 2765.72 |
| C.1270 | 4681.24 | 0.1370 |         | 0.0940 | 4703.27 | C.0930 | 2765.72 |
| C.1370 | 4636.87 |        |         | 0.1040 | 4313.49 | 0.0980 | 2802.85 |
| C.1470 | 3215.09 |        |         | 0.1090 | 3911.32 | 0.1030 | 2875.66 |
| C.1520 | 2405.95 |        |         | 0.1140 | 3402.53 | 0.1080 | 2875.66 |
| C.1570 | 1907.50 |        |         | 0.1190 | 2946.68 | C.1180 | 2946.68 |
| C.1670 | 1202.98 |        |         | 0.1240 | 2490.40 | 0.1280 | 2981.55 |
| C.1770 | 352.20  |        |         | 0.1340 | 1784.30 | 0.1330 | 3016.02 |
| C.1970 | 0.00    |        |         | 0.1440 | 1095.02 | 0.1430 | 3016.02 |
|        |         |        |         | 0.1490 | 760.83  | 0.1530 | 3016.02 |
|        |         |        |         | 0.1540 | 610.02  | 0.1630 | 2981.55 |
|        |         |        |         | 0.1640 | 321.51  | 0.1730 | 2946.68 |
|        |         |        |         | 0.1740 | 0.00    | 0.1830 | 2911.39 |
|        |         |        |         |        |         | 0.1930 | 2802.85 |
|        |         |        |         |        |         | 0.2030 | 2728.09 |
|        |         |        |         |        |         | 0.2230 | 2318.43 |
|        |         |        |         |        |         | 0.2430 | 1841.32 |
|        |         |        |         |        |         | 0.2480 | 1737.34 |
|        |         |        |         |        |         | 0.2830 | 1220.04 |
|        |         |        |         |        |         | 0.3130 | 787.53  |
|        |         |        |         |        |         | 0.3330 | 0.00    |

TABLE A-21

ALPHA= 90.00

YC= 0.0991

REC= 3334.0

| X--- 2.00 |         | 2.50   |         | 3.00   |         | 3.50   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600    | 2231.86 | 0.0600 | 1975.34 | 0.0600 | 1704.61 | 0.0600 | 1455.00 |
| C.0710    | 2227.48 | 0.0700 | 1971.45 | 0.0710 | 1701.26 | 0.0780 | 1466.31 |
| C.0860    | 2227.48 | 0.0850 | 2012.96 | 0.0860 | 1713.37 | 0.0930 | 1480.34 |
| C.1010    | 2227.48 | 0.0900 | 2012.96 | 0.0960 | 1713.37 | 0.1030 | 1494.24 |
| C.1260    | 2273.41 | 0.1000 | 1981.91 | 0.1060 | 1719.40 | 0.1230 | 1508.01 |
| C.1510    | 2273.41 | 0.1100 | 1981.91 | 0.1210 | 1737.34 | 0.1430 | 1521.66 |
| C.2510    | 1981.91 | 0.1200 | 1981.91 | 0.1310 | 1737.34 | 0.1630 | 1521.66 |
| C.2860    | 1981.91 | 0.1400 | 1981.91 | 0.1510 | 1737.34 | 0.1730 | 1508.01 |
| C.3260    | 1639.38 | 0.1700 | 1960.94 | 0.1660 | 1737.34 | 0.1930 | 1508.01 |
| C.3460    | 1466.31 | 0.1950 | 1950.37 | 0.1960 | 1713.37 | 0.2130 | 1494.24 |
| C.3660    | 1317.79 | 0.2450 | 1795.85 | 0.2260 | 1639.38 | 0.2430 | 1452.14 |
| C.3860    | 1202.98 | 0.2650 | 1713.37 | 0.2560 | 1561.88 | 0.2830 | 1394.03 |
| C.4060    | 1113.74 | 0.2850 | 1639.38 | 0.2760 | 1508.01 | 0.3830 | 1220.04 |
| C.4260    | 996.16  | 0.3050 | 1626.72 | 0.2960 | 1494.24 | 0.4830 | 975.18  |
| C.4560    | 704.39  | 0.3250 | 1535.18 | 0.3260 | 1394.03 | 0.6830 | 454.68  |
| C.4810    | 498.08  | 0.3550 | 1394.03 | 0.3560 | 1269.86 | 0.7230 | 406.68  |
| C.5060    | 352.20  | 0.3850 | 1286.04 | 0.3860 | 1202.98 | 0.7830 | 203.34  |
| C.5360    | 0.00    | 0.4250 | 1150.26 | 0.4260 | 1113.74 | 0.8330 | 0.00    |
|           |         | 0.4550 | 996.16  | 0.4460 | 1016.70 |        |         |
|           |         | 0.4850 | 862.70  | 0.4860 | 886.34  |        |         |
|           |         | 0.5150 | 760.83  | 0.5160 | 813.36  |        |         |
|           |         | 0.5450 | 643.02  | 0.5460 | 733.15  |        |         |
|           |         | 0.5750 | 454.68  | 0.5760 | 575.13  |        |         |
|           |         | 0.6050 | 352.20  | 0.6010 | 537.99  |        |         |
|           |         | 0.6350 | 203.34  | 0.6260 | 454.68  |        |         |
|           |         |        |         | 0.6660 | 287.57  |        |         |
|           |         |        |         | 0.7260 | 0.00    |        |         |

TABLE A-21

ALPHA= 90.00

YC= 0.0991

REC= 3334.0

| X--- 4.50 |         | 6.50   |        | 8.50   |        | 10.50  |        |
|-----------|---------|--------|--------|--------|--------|--------|--------|
| Y         | U       | Y      | U      | Y      | U      | Y      | U      |
| 0.0600    | 1152.53 | 0.0600 | 840.04 | 0.0600 | 644.28 | 0.0600 | 539.05 |
| 0.0820    | 1168.10 | 0.0830 | 838.39 | 0.1510 | 704.39 | 0.1060 | 556.87 |
| 0.1020    | 1202.98 | 0.1230 | 862.70 | 0.2510 | 718.92 | 0.2060 | 610.02 |

A-100

| X----  | 2.00    |  | 2.50   |        | 3.00   |        | 3.50   |        |
|--------|---------|--|--------|--------|--------|--------|--------|--------|
| Y      | U       |  | Y      | U      | Y      | U      | Y      | U      |
| 0.1320 | 1220.04 |  | 0.1930 | 886.34 | 0.3510 | 704.39 | 0.3060 | 610.02 |
| 0.1820 | 1236.87 |  | 0.2330 | 886.34 | 0.4510 | 674.40 | 0.5260 | 556.87 |
| 0.2320 | 1220.04 |  | 0.2930 | 862.70 | 0.6510 | 575.13 | 0.8260 | 454.68 |
| 0.2720 | 1185.67 |  | 0.3430 | 850.63 | 0.8510 | 454.08 | 1.1260 | 287.57 |
| 0.3220 | 1132.15 |  | 0.4030 | 838.39 | 1.0510 | 352.20 | 1.3260 | 143.78 |
| 0.3620 | 1075.97 |  | 0.5030 | 733.15 | 1.3510 | 0.00   |        |        |
| 0.4020 | 1016.70 |  | 0.5530 | 718.92 |        |        |        |        |
| 0.4320 | 975.18  |  | 0.7530 | 537.99 |        |        |        |        |
| 0.4720 | 909.36  |  | 0.8030 | 498.08 |        |        |        |        |
| 0.5220 | 862.70  |  | 0.8830 | 406.68 |        |        |        |        |
| 0.5520 | 813.36  |  | 1.0030 | 287.57 |        |        |        |        |
| 0.5920 | 733.15  |  | 1.1030 | 0.00   |        |        |        |        |
| 0.6420 | 643.02  |  |        |        |        |        |        |        |
| 0.6820 | 610.02  |  |        |        |        |        |        |        |
| 0.7120 | 537.99  |  |        |        |        |        |        |        |
| 0.7720 | 454.68  |  |        |        |        |        |        |        |
| 0.8120 | 406.68  |  |        |        |        |        |        |        |
| 0.8720 | 203.34  |  |        |        |        |        |        |        |
| 0.9520 | 0.00    |  |        |        |        |        |        |        |

TABLE A-22

ALPHA= 90.00

$$YC = 0.1956$$

REC= 7022.0

| X= | 0.00   |         | 1.80   |         | 3.80   |         | 4.80   |         |
|----|--------|---------|--------|---------|--------|---------|--------|---------|
|    | Y      | U       | Y      | U       | Y      | U       | Y      | U       |
|    | 0.0600 | 5390.46 | 0.0600 | 4023.55 | 0.0600 | 4023.55 | 0.0600 | 2495.30 |
|    | 0.0740 | 5379.87 | 0.0750 | 4015.64 | 0.0750 | 4015.64 | 0.0710 | 2490.40 |
|    | 0.1040 | 5379.87 | 0.0850 | 4015.64 | 0.0850 | 4015.64 | 0.0860 | 2490.40 |
|    | 0.1340 | 5379.87 | 0.1050 | 3989.82 | 0.1050 | 3989.82 | 0.0960 | 2490.40 |
|    | 0.1840 | 5379.87 | 0.2050 | 3963.83 | 0.2050 | 3963.83 | 0.1060 | 2490.40 |
|    | 0.1890 | 5379.87 | 0.2150 | 3953.38 | 0.2150 | 3911.32 | 0.1160 | 2490.40 |
|    | 0.1940 | 5379.87 | 0.2350 | 3858.11 | 0.2350 | 3858.11 | 0.1360 | 2473.74 |
|    | 0.1990 | 5302.46 | 0.2750 | 3637.46 | 0.2750 | 3637.46 | 0.1460 | 2448.54 |
|    | 0.2040 | 4980.79 | 0.3750 | 2362.60 | 0.3750 | 2362.60 | 0.1660 | 2405.95 |
|    | 0.2090 | 4313.49 | 0.3950 | 2132.65 | 0.3950 | 2132.65 | 0.1860 | 2362.60 |
|    | 0.2140 | 3637.46 | 0.4150 | 1701.26 | 0.4150 | 1701.26 | 0.2160 | 2227.48 |
|    | 0.2240 | 2572.07 | 0.4250 | 1521.66 | 0.4250 | 1521.66 | 0.2460 | 2083.62 |
|    | 0.2340 | 1795.85 | 0.4450 | 1286.04 | 0.4450 | 1286.04 | 0.2660 | 2073.67 |
|    | 0.2440 | 909.36  | 0.4650 | 1132.15 | 0.4650 | 1132.15 | 0.2860 | 1981.91 |
|    | 0.2540 | 0.00    | 0.4950 | 674.40  | 0.4950 | 674.40  | 0.3260 | 1760.98 |
|    |        |         | 0.5250 | 0.00    | 0.5250 | 0.00    | 0.3660 | 1639.38 |
|    |        |         |        |         |        |         | 0.4260 | 1302.01 |



A=101

X----

|        | 4.80    |
|--------|---------|
| Y      | U       |
| 0.4960 | 1036.83 |
| 0.5460 | 813.36  |
| 0.5960 | 643.02  |
| 0.6460 | 406.68  |
| 0.6860 | 287.57  |
| 0.7160 | 0.00    |

TABLE A-22

ALPHA= 90.00

YC= 0.1956

REC= 7022.0

| X----  | 5.80    | 6.80   | 7.80    | 8.80   |         |        |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Y      | U       | Y      | U       | Y      | U       |        |         |
| 0.0600 | 2097.63 | 0.0600 | 1799.39 | 0.0600 | 1578.17 | 0.0600 | 1336.01 |
| 0.0760 | 2093.51 | 0.0820 | 1807.33 | 0.0700 | 1588.14 | 0.0800 | 1364.05 |
| 0.0960 | 2093.51 | 0.0920 | 1830.06 | 0.0900 | 1639.38 | 0.1000 | 1394.03 |
| 0.1060 | 2093.51 | 0.1020 | 1830.06 | 0.1000 | 1651.94 | 0.1300 | 1394.03 |
| 0.1260 | 2093.51 | 0.1120 | 1830.06 | 0.1200 | 1639.38 | 0.1500 | 1394.03 |
| 0.1660 | 2053.63 | 0.1320 | 1841.32 | 0.1500 | 1626.72 | 0.1900 | 1379.12 |
| 0.1960 | 1971.45 | 0.1520 | 1830.06 | 0.1800 | 1601.10 | 0.2200 | 1364.05 |
| 0.2660 | 1841.32 | 0.1820 | 1807.33 | 0.2200 | 1561.88 | 0.2800 | 1317.79 |
| 0.3660 | 1535.18 | 0.2320 | 1725.40 | 0.2800 | 1494.24 | 0.3200 | 1269.86 |
| 0.5660 | 953.75  | 0.2620 | 1689.07 | 0.3300 | 1408.78 | 0.3700 | 1220.04 |
| 0.7660 | 352.20  | 0.2920 | 1588.14 | 0.3800 | 1348.81 | 0.4300 | 1168.10 |
| 0.9660 | 0.00    | 0.3220 | 1548.59 | 0.4800 | 1168.10 | 0.5300 | 1016.70 |
|        |         | 0.3520 | 1508.01 | 0.5200 | 1095.02 | 0.5800 | 953.75  |
|        |         | 0.3820 | 1408.78 | 0.5800 | 996.16  | 0.6800 | 813.36  |
|        |         | 0.4320 | 1317.79 | 0.6800 | 787.53  | 0.7300 | 733.15  |
|        |         | 0.4620 | 1253.47 | 0.7100 | 733.15  | 0.7800 | 674.40  |
|        |         | 0.5120 | 1132.15 | 0.7500 | 674.40  | 0.8300 | 575.13  |
|        |         | 0.6120 | 862.70  | 0.7800 | 575.13  | 0.8600 | 537.99  |
|        |         | 0.6820 | 760.83  | 0.8200 | 498.08  | 0.9100 | 454.68  |
|        |         | 0.7320 | 626.74  | 0.8600 | 454.68  | 0.9500 | 406.68  |
|        |         | 0.7720 | 537.99  | 0.9600 | 203.34  | 0.9800 | 380.41  |
|        |         | 0.8320 | 352.20  | 1.0600 | 0.00    | 1.0300 | 287.57  |
|        |         | 0.8820 | 287.57  |        |         | 1.0800 | 203.34  |
|        |         | 0.9320 | 203.34  |        |         |        |         |

TABLE A-22

ALPHA= 90.00

YC= 0.1956

REC= 7022.0

| X---- | 9.80   |         | 10.80  |         | 11.80  |         | 13.80  |         |
|-------|--------|---------|--------|---------|--------|---------|--------|---------|
|       | Y      | U       | Y      | U       | Y      | U       | Y      | U       |
|       | 0.0600 | 1205.34 | 0.0600 | 1078.09 | 0.0600 | 1068.42 | 0.0600 | 987.67  |
|       | 0.0700 | 1202.98 | 0.0910 | 1132.15 | 0.0800 | 1113.74 | 0.0800 | 1016.70 |
|       | 0.0900 | 1236.87 | 0.1130 | 1168.10 | 0.1000 | 1132.15 | 0.1000 | 1056.59 |
|       | 0.1100 | 1253.47 | 0.1410 | 1220.04 | 0.1200 | 1150.26 | 0.1200 | 1066.32 |
|       | 0.1300 | 1269.86 | 0.1710 | 1220.04 | 0.1400 | 1150.26 | 0.1400 | 1075.97 |
|       | 0.1500 | 1269.86 | 0.2110 | 1220.04 | 0.1500 | 1150.26 | 0.1800 | 1075.97 |
|       | 0.1700 | 1269.86 | 0.2510 | 1202.98 | 0.1600 | 1150.26 | 0.2500 | 1056.59 |
|       | 0.2000 | 1261.69 | 0.3410 | 1113.74 | 0.2000 | 1150.26 | 0.2900 | 1036.83 |
|       | 0.2400 | 1253.47 | 0.4010 | 1075.97 | 0.2400 | 1150.26 | 0.3500 | 1016.70 |
|       | 0.2900 | 1220.04 | 0.4410 | 1036.83 | 0.2800 | 1113.74 | 0.3900 | 1006.48 |
|       | 0.3400 | 1185.67 | 0.4910 | 975.18  | 0.3300 | 1095.02 | 0.4200 | 975.18  |
|       | 0.3900 | 1132.15 | 0.5310 | 953.75  | 0.3800 | 1075.97 | 0.4500 | 931.82  |
|       | 0.4900 | 1036.83 | 0.5810 | 909.36  | 0.4300 | 1036.83 | 0.4800 | 909.36  |
|       | 0.5400 | 975.18  | 0.6310 | 862.70  | 0.4800 | 996.16  | 0.5100 | 886.34  |
|       | 0.6400 | 886.34  | 0.6810 | 813.36  | 0.5300 | 975.18  | 0.5500 | 874.60  |
|       | 0.7400 | 760.83  | 0.7310 | 760.83  | 0.5800 | 931.82  | 0.6200 | 825.97  |
|       | 0.7900 | 704.39  | 0.7910 | 704.39  | 0.6300 | 886.34  | 0.6900 | 787.53  |
|       | 0.8900 | 610.02  | 0.8510 | 643.02  | 0.6800 | 850.63  | 0.7900 | 704.39  |
|       | 0.9400 | 537.99  | 0.9110 | 575.13  | 0.7300 | 813.36  | 0.8900 | 643.02  |
|       | 0.9700 | 498.08  | 0.9710 | 537.99  | 0.7800 | 760.83  | 0.9900 | 575.13  |
|       | 1.0700 | 380.41  | 1.0310 | 454.68  | 0.8300 | 704.39  | 1.0900 | 498.08  |
|       | 1.1100 | 287.57  | 1.1110 | 406.68  | 0.9300 | 610.02  | 1.1900 | 352.20  |
|       | 1.2100 | 0.00    | 1.1810 | 321.51  | 1.0300 | 498.08  | 1.3900 | 203.34  |
|       |        |         | 1.2810 | 203.34  | 1.1300 | 406.68  |        |         |
|       |        |         | 1.3810 | 0.00    | 1.2300 | 352.20  |        |         |
|       |        |         |        |         | 1.3300 | 203.34  |        |         |
|       |        |         |        |         | 1.4300 | 0.00    |        |         |

TABLE A-22

ALPHA= 90.00

YC= 0.1956

REC= 7022.0

| X---- | 15.80  |        | 18.80  |        |
|-------|--------|--------|--------|--------|
|       | Y      | U      | Y      | U      |
|       | 0.0600 | 762.33 | 0.0600 | 675.73 |
|       | 0.0910 | 787.53 | 0.1470 | 733.15 |
|       | 0.1610 | 838.39 | 0.2270 | 760.83 |
|       | 0.2610 | 862.70 | 0.3270 | 760.83 |
|       | 0.3610 | 838.39 | 0.4270 | 747.12 |
|       | 0.4310 | 825.97 | 0.6270 | 674.40 |

| X--- 15.80 |        | 18.80  |        |
|------------|--------|--------|--------|
| Y          | U      | Y      | U      |
| 0.5110     | 813.36 | 0.8270 | 643.02 |
| 0.5710     | 774.30 | 1.0270 | 537.99 |
| 0.6710     | 733.15 | 1.2270 | 454.68 |
| 0.8710     | 626.74 | 1.4270 | 352.20 |
| 1.0710     | 498.08 | 1.6270 | 203.34 |
| 1.2710     | 406.68 |        |        |
| 1.4710     | 249.04 |        |        |

TABLE A-23

ALPHA= 90.00

YC= 0.2921

REC= 10260.0

| X--- 0.00 |         | 1.20   |         | 2.20   |         | 3.20   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600    | 5273.69 | 0.0600 | 5273.69 | 0.0600 | 4799.80 | 0.0600 | 4273.69 |
| 0.0750    | 5263.33 | 0.0710 | 5263.33 | 0.0710 | 4790.37 | 0.0710 | 4265.30 |
| 0.0900    | 5263.33 | 0.0810 | 5263.33 | 0.0810 | 4790.37 | 0.0810 | 4265.30 |
| 0.1100    | 5263.33 | 0.0910 | 5263.33 | 0.0910 | 4811.90 | 0.0910 | 4265.30 |
| 0.1400    | 5263.33 | 0.1010 | 5263.33 | 0.1110 | 4768.75 | 0.1110 | 4191.96 |
| 0.1600    | 5255.46 | 0.1160 | 5204.07 | 0.1260 | 4614.52 | 0.1310 | 4066.80 |
| 0.1800    | 5243.65 | 0.1260 | 5184.17 | 0.1410 | 4501.12 | 0.1510 | 3911.32 |
| 0.1950    | 5235.76 | 0.1460 | 5083.50 | 0.1610 | 4361.16 | 0.1710 | 3858.11 |
| 0.2100    | 5223.90 | 0.1660 | 5001.50 | 0.2610 | 3341.22 | 0.1910 | 3721.73 |
| 0.2350    | 5204.07 | 0.1860 | 4875.92 | 0.3110 | 2875.66 | 0.2110 | 3551.18 |
| 0.2500    | 5192.14 | 0.2160 | 4384.80 | 0.3610 | 2362.60 | 0.2410 | 3278.76 |
| 0.2600    | 5184.17 | 0.2360 | 4041.30 | 0.4110 | 1907.50 | 0.2710 | 3182.77 |
| 0.2700    | 5184.17 | 0.2660 | 3693.85 | 0.4410 | 1548.59 | 0.3010 | 2911.39 |
| 0.2800    | 5184.17 | 0.2860 | 3402.53 | 0.5010 | 1113.74 | 0.3310 | 2611.95 |
| 0.3000    | 4960.00 | 0.3160 | 2611.95 | 0.5210 | 862.70  | 0.3460 | 2490.40 |
| 0.3100    | 4524.03 | 0.3360 | 2318.43 | 0.5410 | 674.40  | 0.3610 | 2405.95 |
| 0.3400    | 3749.40 | 0.3560 | 2053.63 | 0.5610 | 537.99  | 0.3810 | 2318.43 |
| 0.3600    | 2490.40 | 0.4060 | 1302.01 | 0.6110 | 0.00    | 0.4110 | 2083.62 |
| 0.3700    | 2318.43 | 0.4160 | 1056.59 |        |         | 0.4610 | 1664.41 |
| 0.3900    | 406.68  | 0.4260 | 909.36  |        |         | 0.4810 | 1588.14 |
| 0.4100    | 0.00    | 0.4360 | 760.83  |        |         | 0.5110 | 1333.39 |
|           |         | 0.4560 | 498.08  |        |         | 0.5410 | 1075.97 |
|           |         | 0.4860 | 0.00    |        |         | 0.5810 | 886.34  |
|           |         |        |         |        |         | 0.6110 | 658.90  |
|           |         |        |         |        |         | 0.6610 | 287.57  |
|           |         |        |         |        |         | 0.7010 | 0.00    |

TABLE A-23

ALPHA= 90.00

YC= 0.2921

REC= 10260.0

| X--- 4.20 |         | 6.20   |         | 7.20   |         | 9.20   |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600    | 3756.79 | 0.0600 | 2952.48 | 0.0600 | 2695.23 | 0.0600 | 2231.86 |
| C.0700    | 3749.40 | 0.0750 | 2960.68 | 0.0790 | 2689.94 | 0.0840 | 2245.96 |
| C.0800    | 3749.40 | 0.0850 | 2960.68 | 0.1090 | 2689.94 | 0.1140 | 2245.96 |
| C.1000    | 3749.40 | 0.1050 | 2960.68 | 0.1490 | 2728.09 | 0.1440 | 2318.43 |
| C.1200    | 3637.46 | 0.1250 | 2981.55 | 0.1890 | 2712.89 | 0.1740 | 2318.43 |
| C.1300    | 3608.93 | 0.1450 | 3002.28 | 0.2290 | 2651.23 | 0.2040 | 2291.53 |
| C.1500    | 3521.95 | 0.1650 | 2981.55 | 0.2690 | 2572.07 | 0.2340 | 2255.15 |
| C.1700    | 3462.76 | 0.1850 | 2946.68 | 0.3190 | 2405.95 | 0.2740 | 2227.48 |
| C.1900    | 3372.01 | 0.2050 | 2911.39 | 0.3690 | 2273.41 | 0.3140 | 2132.65 |
| C.2100    | 3247.08 | 0.2350 | 2861.25 | 0.4090 | 2132.65 | 0.3540 | 2113.17 |
| C.2300    | 3083.80 | 0.2550 | 2802.85 | 0.4490 | 2083.62 | 0.3940 | 2053.63 |
| C.2500    | 2981.55 | 0.2850 | 2689.94 | 0.4890 | 1929.05 | 0.4340 | 1971.45 |
| C.2700    | 2946.68 | 0.3050 | 2611.95 | 0.5190 | 1841.32 | 0.4740 | 1896.63 |
| C.3100    | 2689.94 | 0.3250 | 2572.07 | 0.5590 | 1749.20 | 0.5040 | 1807.33 |
| C.3400    | 2490.40 | 0.3450 | 2490.40 | 0.5990 | 1575.07 | 0.5440 | 1749.20 |
| C.3600    | 2362.60 | 0.3650 | 2448.54 | 0.6490 | 1452.14 | 0.5840 | 1651.94 |
| C.3900    | 2227.48 | 0.3950 | 2318.43 | 0.6890 | 1309.93 | 0.6340 | 1521.66 |
| C.4300    | 1971.45 | 0.4350 | 2180.58 | 0.7390 | 1202.98 | 0.6840 | 1437.83 |
| C.6100    | 996.16  | 0.6350 | 1437.83 | 1.0190 | 352.20  | 1.0840 | 575.13  |
| C.4500    | 1852.52 | 0.4650 | 2083.62 | 0.7790 | 1036.83 | 0.7840 | 1220.04 |
| C.4800    | 1743.28 | 0.4950 | 1918.31 | 0.8290 | 909.36  | 0.8340 | 1095.02 |
| C.5100    | 1535.18 | 0.5150 | 1874.70 | 0.8690 | 787.53  | 0.8740 | 1016.70 |
| C.5600    | 1236.87 | 0.5550 | 1755.10 | 0.9190 | 643.02  | 0.9140 | 931.82  |
| C.5900    | 1132.15 | 0.5950 | 1535.18 | 0.9690 | 537.99  | 1.0140 | 704.39  |
| C.6500    | 760.83  | 0.6950 | 1185.67 | 1.0690 | 203.34  | 1.1340 | 454.68  |
| C.6900    | 643.02  | 0.7350 | 1095.02 | 1.1090 | 0.00    | 1.1840 | 352.20  |
| C.7400    | 287.57  | 0.8350 | 760.83  |        |         | 1.2840 | 143.78  |
| C.7900    | 0.00    | 0.8750 | 556.87  |        |         |        |         |
|           |         | 0.9050 | 454.68  |        |         |        |         |
|           |         | 0.9650 | 249.04  |        |         |        |         |
|           |         | 0.9950 | 0.00    |        |         |        |         |

TABLE A-23

ALPHA= 90.00

YC= 0.2921

REC= 10260.0

| X--- 11.20 |         | 12.20  |         | 15.20  |         | 18.20  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600     | 1932.85 | 0.0600 | 1787.81 | 0.0600 | 1469.19 | 0.0600 | 1222.44 |
| 0.0700     | 1929.05 | 0.0910 | 1784.30 | 0.0930 | 1466.31 | 0.0990 | 1302.01 |
| 0.1000     | 1955.66 | 0.1210 | 1841.32 | 0.1230 | 1508.01 | 0.1290 | 1309.93 |
| 0.1300     | 1981.91 | 0.1610 | 1874.70 | 0.1630 | 1535.18 | 0.1690 | 1333.39 |
| 0.1500     | 2002.67 | 0.2010 | 1874.70 | 0.2030 | 1561.88 | 0.2290 | 1333.39 |
| 0.1800     | 2018.09 | 0.2410 | 1869.18 | 0.2330 | 1568.49 | 0.2690 | 1333.39 |
| 0.2200     | 2012.96 | 0.2910 | 1830.06 | 0.2530 | 1575.07 | 0.3090 | 1325.61 |
| 0.2600     | 1992.32 | 0.3310 | 1795.85 | 0.2830 | 1561.88 | 0.3390 | 1317.79 |
| 0.3000     | 1939.74 | 0.3710 | 1749.20 | 0.3230 | 1555.25 | 0.3890 | 1302.01 |
| 0.3500     | 1891.17 | 0.4710 | 1639.38 | 0.3730 | 1535.18 | 0.4290 | 1277.97 |
| 0.4000     | 1801.60 | 0.5710 | 1508.01 | 0.4430 | 1466.31 | 0.4690 | 1261.69 |
| 0.4400     | 1760.98 | 0.6210 | 1437.83 | 0.5430 | 1379.12 | 0.5690 | 1202.98 |
| 0.4900     | 1664.41 | 0.7210 | 1286.04 | 0.6430 | 1286.04 | 0.7690 | 1056.59 |
| 0.5400     | 1613.96 | 0.8210 | 1150.26 | 0.7430 | 1202.98 | 0.9690 | 909.36  |
| 0.6200     | 1466.31 | 0.9210 | 1016.70 | 0.8430 | 1113.74 | 1.1690 | 787.53  |
| 0.6700     | 1394.03 | 0.9710 | 931.82  | 0.9430 | 1016.70 | 1.3690 | 626.74  |
| 0.7700     | 1236.87 | 1.0110 | 862.70  | 1.0430 | 909.36  | 1.5690 | 575.13  |
| 0.8700     | 1056.59 | 1.1210 | 733.15  | 1.2430 | 704.39  | 1.6390 | 537.99  |
| 0.9700     | 909.36  | 1.2210 | 575.13  | 1.3430 | 610.02  | 1.7190 | 454.68  |
| 1.0700     | 733.15  | 1.2910 | 476.87  | 1.4430 | 518.42  | 1.8190 | 380.41  |
| 1.1700     | 575.13  | 1.3610 | 406.68  | 1.5430 | 406.68  | 1.9190 | 321.51  |
| 1.2200     | 498.08  | 1.4210 | 321.51  | 1.7430 | 203.34  | 2.2190 | 143.78  |
| 1.2700     | 406.68  | 1.4710 | 249.04  |        |         |        |         |
| 1.3200     | 352.20  |        |         |        |         |        |         |
| 1.3700     | 272.81  |        |         |        |         |        |         |
| 1.4200     | 203.34  |        |         |        |         |        |         |
| 1.4700     | 0.00    |        |         |        |         |        |         |

TABLE A-23

ALPHA= 90.00

YC= 0.2921

REC= 10260.0

| X--- 21.20 |         | 24.20  |         | 28.20  |        |
|------------|---------|--------|---------|--------|--------|
| Y          | U       | Y      | U       | Y      | U      |
| 0.0600     | 1038.88 | 0.0600 | 911.15  | 0.0600 | 762.33 |
| 0.0980     | 1113.74 | 0.1000 | 909.36  | 0.1070 | 825.97 |
| 0.1380     | 1132.15 | 0.2000 | 985.73  | 0.2170 | 886.34 |
| 0.1880     | 1150.26 | 0.3000 | 1016.70 | 0.3170 | 909.36 |
| 0.2880     | 1150.26 | 0.4000 | 1016.70 | 0.5170 | 886.34 |

| X---   | 21.20 |         | 24.20  |         | 28.20  |        |
|--------|-------|---------|--------|---------|--------|--------|
|        | Y     | U       | Y      | U       | Y      | U      |
| C.3480 |       | 1150.26 | 0.4400 | 1016.70 | 0.7170 | 862.70 |
| C.4480 |       | 1113.74 | 0.5400 | 996.16  | 1.0170 | 774.30 |
| C.5480 |       | 1095.02 | 0.6400 | 985.73  | 1.3170 | 674.40 |
| C.6480 |       | 1036.83 | 0.8400 | 909.36  | 1.6170 | 556.87 |
| C.7480 |       | 996.16  | 1.0400 | 838.39  | 1.8170 | 498.08 |
| C.8480 |       | 953.75  | 1.2400 | 760.83  | 2.0170 | 431.35 |
| 1.0480 |       | 838.39  | 1.3400 | 674.40  | 2.2170 | 352.20 |
| 1.2480 |       | 718.92  | 1.5400 | 575.13  | 2.4170 | 287.57 |
| 1.4480 |       | 610.02  | 1.7400 | 498.08  | 2.5170 | 249.04 |
| 1.5480 |       | 575.13  | 1.9400 | 406.68  |        |        |
| 1.7480 |       | 454.68  | 2.1400 | 287.57  |        |        |
| 1.8580 |       | 352.20  | 2.2400 | 249.04  |        |        |
| 1.9580 |       | 287.57  |        |         |        |        |
| 2.0580 |       | 203.34  |        |         |        |        |

TABLE A-24

ALPHA= 90.00

YC= 0.5842

REC= 19040.0

| X---   | 0.00 |         | 1.20   |         | 2.20   |         | 3.20   |         |
|--------|------|---------|--------|---------|--------|---------|--------|---------|
|        | Y    | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600 |      | 4894.01 | 0.0600 | 4842.85 | 0.0600 | 4623.60 | 0.0600 | 4393.43 |
| C.0890 |      | 4884.39 | 0.0760 | 4833.34 | 0.0820 | 4733.94 | 0.0750 | 4417.68 |
| C.1090 |      | 4884.39 | 0.1060 | 4913.93 | 0.0920 | 4790.37 | 0.0850 | 4564.97 |
| C.1390 |      | 4884.39 | 0.1260 | 4913.93 | 0.1020 | 4824.77 | 0.0950 | 4614.52 |
| C.1690 |      | 4875.92 | 0.1510 | 4909.72 | 0.1120 | 4858.93 | 0.1050 | 4645.77 |
| C.1990 |      | 4846.15 | 0.1760 | 4897.08 | 0.1220 | 4854.68 | 0.1150 | 4681.24 |
| C.2390 |      | 4820.49 | 0.2060 | 4875.92 | 0.1420 | 4854.68 | 0.1350 | 4703.27 |
| C.2790 |      | 4790.37 | 0.2460 | 4854.68 | 0.1620 | 4858.93 | 0.1550 | 4725.20 |
| C.3440 |      | 4725.20 | 0.2760 | 4811.90 | 0.1820 | 4824.77 | 0.1750 | 4672.40 |
| C.3790 |      | 4681.24 | 0.3260 | 4725.20 | 0.1920 | 4820.49 | 0.1950 | 4583.05 |
| C.4190 |      | 4645.77 | 0.3760 | 4560.44 | 0.2120 | 4768.75 | 0.2150 | 4514.88 |
| C.4690 |      | 4510.30 | 0.4260 | 4167.23 | 0.2320 | 4738.30 | 0.2450 | 4417.68 |
| C.4890 |      | 4384.80 | 0.4760 | 3608.93 | 0.2620 | 4659.11 | 0.2750 | 4216.55 |
| C.5490 |      | 3551.18 | 0.5260 | 2839.49 | 0.2920 | 4454.96 | 0.3050 | 3989.82 |
| C.5990 |      | 1423.38 | 0.5560 | 2490.40 | 0.3020 | 4384.80 | 0.3350 | 3820.41 |
| C.6390 |      | 0.00    | 0.5760 | 2180.58 | 0.3220 | 4279.81 | 0.3750 | 3521.95 |
|        |      |         | 0.6160 | 1437.83 | 0.3420 | 4201.81 | 0.4050 | 3227.92 |
|        |      |         | 0.6260 | 1328.73 | 0.3620 | 4066.80 | 0.4250 | 3083.80 |
|        |      |         | 0.6360 | 1261.69 | 0.3920 | 3682.64 | 0.4550 | 2946.68 |
|        |      |         | 0.6510 | 1113.74 | 0.4020 | 3568.60 | 0.4850 | 2604.02 |
|        |      |         | 0.6660 | 884.00  | 0.4120 | 3492.48 | 0.5150 | 2362.60 |

| X--- 0.00 |   | 1.20   |        | 2.20   |         | 3.20   |         |
|-----------|---|--------|--------|--------|---------|--------|---------|
| Y         | U | Y      | U      | Y      | U       | Y      | U       |
|           |   | 0.6760 | 683.54 | 0.4220 | 3408.60 | 0.5750 | 1971.45 |
|           |   | 0.6860 | 476.87 | 0.4570 | 3150.13 | 0.5900 | 1795.85 |
|           |   | 0.6960 | 334.12 | 0.4820 | 2802.85 | 0.6150 | 1613.96 |
|           |   | 0.7060 | 143.78 | 0.5020 | 2572.07 | 0.6550 | 1408.78 |
|           |   |        |        | 0.5320 | 2362.60 | 0.6850 | 1122.98 |
|           |   |        |        | 0.5520 | 2180.58 | 0.7050 | 964.53  |
|           |   |        |        | 0.5720 | 1971.45 | 0.7350 | 838.39  |
|           |   |        |        | 0.5920 | 1713.37 | 0.7750 | 537.99  |
|           |   |        |        | 0.6020 | 1601.10 | 0.8150 | 203.34  |
|           |   |        |        | 0.6320 | 1408.78 | 0.8350 | 0.00    |
|           |   |        |        | 0.6620 | 1132.15 |        |         |
|           |   |        |        | 0.6920 | 787.53  |        |         |
|           |   |        |        | 0.7220 | 556.87  |        |         |
|           |   |        |        | 0.7620 | 249.04  |        |         |
|           |   |        |        | 0.7820 | 0.00    |        |         |

TABLE A-24

ALPHA= 90.00

YC= 0.5842

REC= 19040.0

| X--- 4.20 |         | 6.20   |         | 18.20  |         | 12.20  |         |
|-----------|---------|--------|---------|--------|---------|--------|---------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600    | 4115.35 | 0.0600 | 3499.35 | 0.0600 | 2952.48 | 0.0600 | 2136.85 |
| 0.0800    | 4167.23 | 0.0700 | 3492.48 | 0.0840 | 2946.68 | 0.0950 | 2227.48 |
| 0.0900    | 4265.30 | 0.0950 | 3608.93 | 0.1190 | 3022.87 | 0.1150 | 2245.96 |
| 0.1100    | 4361.16 | 0.1150 | 3637.46 | 0.1390 | 3022.87 | 0.1450 | 2300.53 |
| 0.1300    | 4384.80 | 0.1400 | 3648.81 | 0.1690 | 3022.87 | 0.1750 | 2300.53 |
| 0.1500    | 4398.92 | 0.1700 | 3603.19 | 0.1990 | 3022.87 | 0.2450 | 2245.96 |
| 0.1700    | 4398.92 | 0.2100 | 3521.95 | 0.2290 | 2981.55 | 0.2750 | 2227.48 |
| 0.2100    | 4265.30 | 0.2500 | 3450.79 | 0.2590 | 2953.68 | 0.3250 | 2208.84 |
| 0.2400    | 4142.35 | 0.2900 | 3285.06 | 0.3190 | 2824.89 | 0.3850 | 2132.65 |
| 0.2600    | 4097.19 | 0.3400 | 3150.13 | 0.3490 | 2765.72 | 0.4150 | 2002.67 |
| 0.2900    | 3858.11 | 0.3800 | 3002.28 | 0.3990 | 2651.23 | 0.4550 | 1955.66 |
| 0.3150    | 3665.76 | 0.4300 | 2795.46 | 0.4490 | 2531.56 | 0.5050 | 1885.70 |
| 0.3800    | 3372.01 | 0.4800 | 2604.02 | 0.4990 | 2405.95 | 0.5550 | 1795.85 |
| 0.4150    | 3016.02 | 0.5300 | 2362.60 | 0.5990 | 2132.65 | 0.6050 | 1725.40 |
| 0.4500    | 2882.84 | 0.5800 | 2132.65 | 0.6590 | 1992.32 | 0.7050 | 1561.88 |
| 0.4800    | 2659.02 | 0.6100 | 2023.21 | 0.6990 | 1841.32 | 0.7550 | 1473.34 |
| 0.5200    | 2336.20 | 0.6400 | 1939.74 | 0.7490 | 1689.07 | 0.8550 | 1302.01 |
| 0.5600    | 2208.84 | 0.6800 | 1755.10 | 0.7990 | 1541.90 | 0.9050 | 1220.04 |
| 0.5900    | 1966.20 | 0.7200 | 1568.49 | 0.8490 | 1394.03 | 1.0050 | 1056.59 |

| X--- 4.20 |         | 6.20   |         | 10.20  |         | 12.20  |        |
|-----------|---------|--------|---------|--------|---------|--------|--------|
| Y         | U       | Y      | U       | Y      | U       | Y      | U      |
| 0.6200    | 1772.68 | 0.7500 | 1492.85 | 0.8990 | 1245.20 | 1.0550 | 964.53 |
| 0.6600    | 1594.63 | 0.8000 | 1236.87 | 0.9490 | 1085.54 | 1.1550 | 800.55 |
| 0.6900    | 1356.45 | 0.8700 | 996.16  | 0.9990 | 964.53  | 1.2550 | 643.02 |
| 0.7200    | 1185.67 | 0.9300 | 733.15  | 1.0990 | 674.40  | 1.3550 | 476.87 |
| 0.7600    | 1036.83 | 0.9500 | 689.56  | 1.1490 | 518.42  | 1.4550 | 287.57 |
| 0.8000    | 760.83  | 0.9800 | 537.99  | 1.1990 | 352.20  | 1.5050 | 203.34 |
| 0.8400    | 592.83  | 1.0200 | 352.20  | 1.2990 | 0.00    | 1.5550 | 0.00   |
| 0.8800    | 352.20  | 1.0600 | 192.91  |        |         |        |        |
| 0.9200    | 0.00    |        |         |        |         |        |        |

TABLE A-24

ALPHA= 90.00

YC= 0.5842

REC= 19040.0

| X--- 15.20 |         | 18.20  |         | 21.20  |         | 24.20  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600     | 1776.17 | 0.0600 | 1483.25 | 0.0600 | 1255.94 | 0.0600 | 1068.42 |
| 0.0860     | 1807.33 | 0.0730 | 1494.24 | 0.0940 | 1302.01 | 0.0940 | 1122.98 |
| 0.1110     | 1852.52 | 0.0930 | 1528.44 | 0.1240 | 1333.39 | 0.1240 | 1150.26 |
| 0.1160     | 1874.70 | 0.1330 | 1588.14 | 0.1640 | 1371.60 | 0.1540 | 1185.67 |
| 0.1260     | 1880.21 | 0.1630 | 1607.54 | 0.2040 | 1386.59 | 0.1840 | 1185.67 |
| 0.1460     | 1885.70 | 0.2030 | 1613.96 | 0.2440 | 1394.03 | 0.2440 | 1211.54 |
| 0.1760     | 1907.50 | 0.2330 | 1620.35 | 0.2940 | 1396.99 | 0.3440 | 1220.04 |
| 0.2060     | 1907.50 | 0.2830 | 1620.35 | 0.3440 | 1396.99 | 0.4440 | 1211.54 |
| 0.2360     | 1907.50 | 0.3830 | 1601.10 | 0.4440 | 1386.59 | 0.5440 | 1185.67 |
| 0.2960     | 1896.63 | 0.4830 | 1535.18 | 0.5440 | 1348.81 | 0.6440 | 1168.10 |
| 0.3660     | 1846.93 | 0.5830 | 1494.24 | 0.6440 | 1302.01 | 0.8440 | 1113.74 |
| 0.4160     | 1824.40 | 0.6830 | 1437.83 | 0.7440 | 1253.47 | 1.1440 | 975.18  |
| 0.5160     | 1755.10 | 0.7830 | 1364.05 | 0.8440 | 1202.98 | 1.3440 | 862.70  |
| 0.6160     | 1664.41 | 0.8830 | 1286.04 | 0.9440 | 1141.24 | 1.6440 | 704.39  |
| 0.6660     | 1601.10 | 1.0830 | 1122.98 | 1.0440 | 1089.34 | 1.8440 | 606.62  |
| 0.7160     | 1548.59 | 1.1830 | 1036.83 | 1.1440 | 1036.83 | 2.0440 | 498.08  |
| 0.8160     | 1445.00 | 1.2830 | 942.85  | 1.3440 | 897.93  | 2.2440 | 396.38  |
| 0.9160     | 1325.61 | 1.3830 | 862.70  | 1.5440 | 774.30  | 2.4440 | 287.57  |
| 1.0160     | 1220.04 | 1.4830 | 787.53  | 1.6440 | 704.39  | 2.6440 | 0.00    |
| 1.1160     | 1113.74 | 1.5830 | 704.39  | 1.7440 | 643.02  |        |         |
| 1.2160     | 985.73  | 1.6830 | 592.83  | 1.9440 | 498.08  |        |         |
| 1.4160     | 760.83  | 1.7830 | 498.08  | 2.0440 | 406.68  |        |         |
| 1.5160     | 643.02  | 1.8830 | 406.68  | 2.1440 | 340.25  |        |         |
| 1.6160     | 537.99  | 1.9830 | 321.51  | 2.2440 | 287.57  |        |         |
| 1.7160     | 406.68  | 2.0830 | 203.34  | 2.3440 | 90.94   |        |         |
| 1.8160     | 203.34  | 2.1830 | 0.00    | 2.4440 | 0.00    |        |         |
| 1.9160     | 0.00    |        |         |        |         |        |         |



TABLE A-24

ALPHA= 90.00

YC= 0.5842

REC= 19040.0

X---- 0.00

| Y      | U       |
|--------|---------|
| 0.0600 | 908.87  |
| 0.1410 | 964.53  |
| 0.2410 | 1012.63 |
| 0.3410 | 1026.82 |
| 0.5410 | 1032.84 |
| 0.7410 | 985.73  |
| 0.9410 | 942.85  |
| 1.1410 | 881.66  |
| 1.3410 | 813.36  |
| 1.5410 | 733.15  |
| 1.7410 | 668.24  |
| 1.9410 | 575.13  |
| 2.1410 | 498.08  |
| 2.3410 | 352.20  |
| 2.5410 | 287.57  |
| 2.7410 | 203.34  |
| 2.9410 | 0.00    |

TABLE A-25

ALPHA= 90.00

YC= 1.2573

REC= 34850.0

X---- 0.00

| 0.00   |         | 1.15   |         | 2.15   |         | 3.15   |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Y      | U       | Y      | U       | Y      | U       | Y      | U       |
| 0.0600 | 4100.19 | 0.0600 | 4033.85 | 0.0600 | 3997.67 | 0.0600 | 3833.35 |
| 0.0910 | 4092.14 | 0.0700 | 4025.93 | 0.0850 | 3989.82 | 0.0830 | 3937.66 |
| 0.1010 | 4092.14 | 0.0900 | 4071.88 | 0.1050 | 4036.18 | 0.0930 | 3958.61 |
| 0.1210 | 4087.08 | 0.1000 | 4076.95 | 0.1450 | 4041.30 | 0.1130 | 3989.82 |
| 0.1610 | 4082.02 | 0.1200 | 4107.27 | 0.1750 | 4010.49 | 0.1280 | 4015.64 |
| 0.2010 | 4041.30 | 0.1500 | 4092.14 | 0.2150 | 3958.61 | 0.1730 | 3963.83 |
| 0.2310 | 4010.49 | 0.2000 | 4036.18 | 0.2350 | 3937.66 | 0.2030 | 3911.32 |
| 0.2610 | 3963.83 | 0.2400 | 3989.82 | 0.3050 | 3858.11 | 0.2330 | 3884.81 |
| 0.3010 | 3958.61 | 0.2800 | 3927.15 | 0.3450 | 3776.87 | 0.2730 | 4015.64 |
| 0.3310 | 3937.66 | 0.3300 | 3884.81 | 0.4150 | 3608.93 | 0.3130 | 3637.46 |
| 0.3610 | 3884.81 | 0.3700 | 3847.37 | 0.4650 | 3492.48 | 0.3530 | 3551.18 |
| 0.4010 | 3842.00 | 0.4400 | 3749.40 | 0.5350 | 3278.76 | 0.3930 | 3402.53 |
| 0.4310 | 3831.22 | 0.5400 | 3533.67 | 0.6350 | 2911.39 | 0.4330 | 3310.14 |
| 0.4610 | 3804.14 | 0.6400 | 3272.45 | 0.7050 | 2572.07 | 0.4830 | 3083.80 |
| 0.4910 | 3732.83 | 0.7400 | 2904.28 | 0.8050 | 2132.65 | 0.5830 | 2728.09 |

| X--- | 0.00   |         | 1.15   |         | 2.15   |         | 3.15   |         |
|------|--------|---------|--------|---------|--------|---------|--------|---------|
|      | Y      | U       | Y      | U       | Y      | U       | Y      | U       |
|      | 0.5210 | 3705.03 | 0.8400 | 2839.49 | 0.9050 | 1731.38 | 0.6830 | 2318.43 |
|      | 0.5510 | 3682.64 | 0.9400 | 1971.45 | 0.9350 | 1639.38 | 0.7830 | 1960.94 |
|      | 0.5810 | 3626.07 | 0.9800 | 1736.15 | 0.9750 | 1445.00 | 0.8830 | 1575.07 |
|      | 0.6110 | 3568.60 | 1.0300 | 1452.14 | 1.0250 | 1202.98 | 0.9830 | 1185.67 |
|      | 0.6910 | 3390.36 | 1.0800 | 1194.35 | 1.0650 | 1066.32 | 1.0530 | 953.75  |
|      | 0.7910 | 3130.38 | 1.1200 | 953.75  | 1.1150 | 787.53  | 1.0930 | 774.30  |
|      | 0.8910 | 2753.24 | 1.1500 | 862.70  | 1.1550 | 658.90  | 1.1830 | 431.35  |
|      |        |         | 1.1900 | 592.83  | 1.2050 | 406.68  | 1.2830 | 0.00    |
|      |        |         | 1.2300 | 380.41  | 1.2350 | 249.04  |        |         |
|      |        |         | 1.2600 | 249.04  |        |         |        |         |

TABLE A-25

ALPHA= 90.00

YC= 1.2573

REC= 34850.0

| X--- | 4.15   |         | 6.15   |         | 8.15   |         | 12.15  |         |
|------|--------|---------|--------|---------|--------|---------|--------|---------|
|      | Y      | U       | Y      | U       | Y      | U       | Y      | U       |
|      | 0.0600 | 3667.33 | 0.0600 | 3316.65 | 0.0600 | 2881.32 | 0.0600 | 2136.85 |
|      | 0.0830 | 3776.87 | 0.0790 | 3303.88 | 0.0690 | 2890.00 | 0.0840 | 2132.65 |
|      | 0.0930 | 3831.22 | 0.0890 | 3310.14 | 0.0890 | 2946.68 | 0.1140 | 2218.18 |
|      | 0.1030 | 3858.11 | 0.1090 | 3402.53 | 0.1090 | 2967.65 | 0.1340 | 2227.48 |
|      | 0.1230 | 3858.11 | 0.1190 | 3432.77 | 0.1290 | 2981.55 | 0.1540 | 2264.30 |
|      | 0.1530 | 3868.81 | 0.1390 | 3456.78 | 0.1690 | 3002.28 | 0.1740 | 2255.15 |
|      | 0.1830 | 3804.14 | 0.1590 | 3408.60 | 0.1890 | 2960.68 | 0.2140 | 2245.96 |
|      | 0.2130 | 3760.42 | 0.1890 | 3426.75 | 0.2390 | 2946.68 | 0.2640 | 2236.74 |
|      | 0.2630 | 3682.64 | 0.2290 | 3402.53 | 0.2890 | 2868.46 | 0.3140 | 2227.48 |
|      | 0.3130 | 3492.48 | 0.2590 | 3341.22 | 0.3390 | 2765.72 | 0.3640 | 2180.58 |
|      | 0.3630 | 3347.40 | 0.2990 | 3266.12 | 0.3890 | 2689.94 | 0.4140 | 2142.32 |
|      | 0.4630 | 2981.55 | 0.3490 | 3202.20 | 0.4890 | 2490.40 | 0.4640 | 2132.65 |
|      | 0.5630 | 2651.23 | 0.4090 | 2974.61 | 0.5890 | 2255.15 | 0.5640 | 2023.21 |
|      | 0.6630 | 2273.41 | 0.4990 | 2728.09 | 0.7190 | 2007.82 | 0.6640 | 1912.91 |
|      | 0.7630 | 1955.66 | 0.5490 | 2572.07 | 0.7690 | 1907.50 | 0.7640 | 1784.30 |
|      | 0.8130 | 1778.50 | 0.5990 | 2405.95 | 0.8690 | 1689.07 | 0.8640 | 1645.67 |
|      | 0.8630 | 1601.10 | 0.6990 | 2132.65 | 0.9690 | 1466.31 | 0.9640 | 1521.66 |
|      | 0.9130 | 1416.10 | 0.7990 | 1891.17 | 1.0690 | 1269.86 | 1.0640 | 1379.12 |
|      | 0.9630 | 1269.86 | 0.8490 | 1713.37 | 1.1690 | 1036.83 | 1.1740 | 1236.87 |
|      | 1.0630 | 931.82  | 0.9490 | 1459.24 | 1.2690 | 838.39  | 1.2740 | 1095.02 |
|      | 1.1230 | 838.39  | 1.0490 | 1185.67 | 1.3690 | 643.02  | 1.3740 | 975.18  |
|      | 1.1630 | 610.02  | 1.1490 | 931.82  | 1.4190 | 498.08  | 1.4140 | 909.36  |
|      | 1.2230 | 454.68  | 1.2490 | 704.39  | 1.5190 | 287.57  | 1.5140 | 774.30  |

A-111

| X--- 4.15 |      | 6.15   |        | 8.15 |   | 12.15  |        |
|-----------|------|--------|--------|------|---|--------|--------|
| Y         | U    | Y      | U      | Y    | U | Y      | U      |
| 1.3230    | 0.00 | 1.3490 | 406.68 |      |   | 1.6140 | 643.02 |
|           |      | 1.4490 | 0.00   |      |   | 1.7140 | 518.42 |
|           |      |        |        |      |   | 1.8140 | 380.41 |
|           |      |        |        |      |   | 1.9140 | 192.91 |

TABLE A-25

ALPHA= 90.00

YC= 1.2573

REC= 34850.0

| X--- 15.15 |         | 18.15  |         | 21.15  |         | 24.15  |         |
|------------|---------|--------|---------|--------|---------|--------|---------|
| Y          | U       | Y      | U       | Y      | U       | Y      | U       |
| C.0600     | 1782.00 | 0.0600 | 1551.64 | 0.0600 | 1304.57 | 0.0600 | 1143.49 |
| C.0890     | 1799.30 | 0.0970 | 1588.14 | 0.0860 | 1341.12 | 0.0910 | 1168.10 |
| C.1090     | 1858.09 | 0.1170 | 1620.35 | 0.1060 | 1364.05 | 0.1260 | 1211.54 |
| C.1390     | 1912.91 | 0.1370 | 1639.38 | 0.1360 | 1408.78 | 0.1710 | 1253.47 |
| C.1790     | 1929.05 | 0.1570 | 1639.38 | 0.1560 | 1408.78 | 0.2110 | 1269.86 |
| C.2190     | 1929.05 | 0.1870 | 1651.94 | 0.1860 | 1445.00 | 0.2610 | 1302.01 |
| C.2490     | 1945.06 | 0.2170 | 1651.94 | 0.2160 | 1437.83 | 0.3210 | 1286.04 |
| C.2990     | 1929.05 | 0.2670 | 1664.41 | 0.2560 | 1466.31 | 0.4110 | 1286.04 |
| C.3390     | 1907.50 | 0.3170 | 1676.78 | 0.2960 | 1452.14 | 0.5110 | 1286.04 |
| C.3790     | 1896.63 | 0.3670 | 1658.19 | 0.3360 | 1452.14 | 0.6110 | 1253.47 |
| C.4790     | 1852.52 | 0.3970 | 1651.94 | 0.3860 | 1450.71 | 0.7310 | 1220.04 |
| C.5790     | 1784.30 | 0.4970 | 1607.54 | 0.4360 | 1452.14 | 0.8310 | 1202.98 |
| C.6790     | 1701.26 | 0.5670 | 1588.14 | 0.5360 | 1437.83 | 1.0310 | 1132.15 |
| C.7790     | 1607.54 | 0.6670 | 1528.44 | 0.6360 | 1401.42 | 1.2310 | 1052.67 |
| C.8790     | 1535.18 | 0.7670 | 1473.34 | 0.7360 | 1364.05 | 1.5310 | 909.36  |
| 0.9790     | 1423.38 | 0.8670 | 1408.78 | 0.8360 | 1309.93 | 1.8310 | 760.83  |
| 1.0790     | 1333.39 | 0.9670 | 1333.39 | 0.9360 | 1261.69 | 2.1310 | 643.02  |
| 1.1790     | 1228.48 | 1.1670 | 1202.98 | 1.0360 | 1214.95 | 2.4310 | 498.08  |
| 1.2790     | 1132.15 | 1.2670 | 1132.15 | 1.1360 | 1168.10 | 2.6310 | 380.41  |
| 1.3790     | 1036.83 | 1.3670 | 1036.83 | 1.3360 | 1046.76 | 2.8310 | 287.57  |
| 1.4790     | 931.82  | 1.4670 | 964.53  | 1.5360 | 931.82  | 3.0310 | 143.78  |
| 1.5790     | 838.39  | 1.6670 | 813.36  | 1.8360 | 733.15  |        |         |
| 1.6790     | 733.15  | 1.7670 | 747.12  | 1.9360 | 674.40  |        |         |
| 1.7790     | 643.02  | 1.9770 | 674.40  | 2.2360 | 498.08  |        |         |
| 1.8790     | 518.42  | 2.0770 | 575.13  | 2.5360 | 287.57  |        |         |
| 1.9790     | 454.68  | 2.1770 | 498.08  | 2.7360 | 203.34  |        |         |
| 2.0790     | 352.20  | 2.2770 | 406.68  |        |         |        |         |
| 2.1790     | 203.34  | 2.3770 | 352.20  |        |         |        |         |
|            |         | 2.4770 | 90.94   |        |         |        |         |

TABLE- 1

ALPHA=11.25

YC=0.1016 CM

UC=4960.0 CM/SEC

REC=3363.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|---------|--------------|---------|
| 2.740  | 0.36       | 3.504    | 26.969  | 2353.97      | 0.475   |
| 3.740  | 0.48       | 4.695    | 36.811  | 1961.08      | 0.395   |
| 3.740  | 0.48       | 4.695    | 36.811  | 1961.08      | 0.395   |
| 4.740  | 0.59       | 5.807    | 46.654  | 1655.67      | 0.334   |
| 4.740  | 0.59       | 5.807    | 46.654  | 1655.67      | 0.334   |
| 5.740  | 0.71       | 6.978    | 56.496  | 1445.06      | 0.291   |
| 6.740  | 0.80       | 7.844    | 66.339  | 1289.30      | 0.260   |
| 7.740  | 0.92       | 9.016    | 76.181  | 1171.65      | 0.236   |
| 8.740  | 1.03       | 10.138   | 86.024  | 1062.53      | 0.214   |
| 9.740  | 1.05       | 10.344   | 95.866  | 996.09       | 0.201   |
| 10.740 | 1.16       | 11.437   | 105.709 | 927.51       | 0.187   |
| 11.740 | 1.23       | 12.146   | 115.551 | 862.58       | 0.174   |
| 12.740 | 1.28       | 12.598   | 125.394 | 813.51       | 0.164   |
| 13.740 | 1.38       | 13.583   | 135.236 | 760.78       | 0.153   |

TABLE- 2

ALPHA=11.25

YC=0.1956 CM

UC=4960.0 CM/SEC

REC=6474.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|---------|--------------|---------|
| 1.800  | 0.32       | 1.626    | 9.203   | 4299.20      | 0.867   |
| 3.800  | 0.48       | 2.480    | 19.429  | 3221.43      | 0.649   |
| 5.800  | 0.65       | 3.334    | 29.655  | 2659.08      | 0.536   |
| 7.800  | 0.82       | 4.213    | 39.881  | 2246.07      | 0.453   |
| 10.800 | 1.11       | 5.675    | 55.220  | 1905.30      | 0.384   |
| 13.800 | 1.32       | 6.739    | 70.559  | 1664.51      | 0.336   |
| 17.800 | 1.66       | 8.462    | 91.011  | 1437.74      | 0.290   |
| 21.800 | 1.96       | 10.021   | 111.463 | 1261.57      | 0.254   |
| 25.800 | 2.25       | 11.504   | 131.915 | 1150.32      | 0.232   |
| 29.800 | 2.57       | 13.140   | 152.367 | 1044.85      | 0.211   |

TABLE- 3

ALPHA=11.25

YC=0.2921 CM

UC=4947.5 CM/SEC

REC=9645.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|---------|--------------|---------|
| 1.740  | 0.38       | 1.294    | 5.957   | 4668.01      | 0.944   |
| 3.740  | 0.52       | 1.790    | 12.804  | 3705.15      | 0.749   |
| 5.740  | 0.70       | 2.379    | 19.651  | 3076.96      | 0.622   |
| 7.740  | 0.86       | 2.958    | 26.498  | 2627.68      | 0.531   |
| 10.740 | 1.13       | 3.875    | 36.768  | 2208.89      | 0.446   |
| 13.740 | 1.39       | 4.755    | 47.039  | 1929.08      | 0.390   |
| 17.740 | 1.73       | 5.912    | 60.733  | 1639.52      | 0.331   |
| 21.740 | 2.04       | 6.984    | 74.427  | 1452.07      | 0.293   |
| 25.740 | 2.38       | 8.131    | 88.121  | 1310.03      | 0.265   |
| 29.740 | 2.77       | 9.483    | 101.814 | 1211.58      | 0.245   |
| 35.740 | 3.19       | 10.938   | 122.355 | 1075.94      | 0.217   |
| 41.740 | 3.74       | 12.804   | 142.896 | 975.06       | 0.197   |

TABLE- 4

ALPHA=11.25

YC=0.6020 CM

UC=4313.5 CM/SEC

REC=17330.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|--------|--------------|---------|
| 1.800  | 0.65       | 1.081    | 2.990  | 4279.70      | 0.992   |
| 3.800  | 0.73       | 1.218    | 6.313  | 4081.88      | 0.946   |
| 5.800  | 0.84       | 1.395    | 9.635  | 3705.15      | 0.859   |
| 7.800  | 1.01       | 1.682    | 12.957 | 3266.24      | 0.757   |
| 10.800 | 1.24       | 2.060    | 17.941 | 2875.79      | 0.667   |
| 13.800 | 1.39       | 2.309    | 22.924 | 2531.67      | 0.587   |
| 19.800 | 2.19       | 3.638    | 32.891 | 2068.68      | 0.480   |
| 25.800 | 2.43       | 4.037    | 42.859 | 1770.28      | 0.410   |
| 29.800 | 2.72       | 4.527    | 49.503 | 1607.52      | 0.373   |
| 35.800 | 3.22       | 5.349    | 59.470 | 1420.37      | 0.329   |
| 41.800 | 3.61       | 5.997    | 69.438 | 1302.11      | 0.302   |

TABLE- 5

ALPHA=11.25  
 YC=1.2624 CM  
 UC=3304.0 CM/SEC  
 REC=27840.0

| X(CM)  | $Y_1$ (CM) | $Y_1$ /YC | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|-----------|--------|--------------|---------|
| 3.800  | 1.38       | 1.092     | 3.010  | 2904.13      | 0.879   |
| 5.800  | 1.45       | 1.153     | 4.594  | 2773.07      | 0.839   |
| 10.800 | 1.77       | 1.398     | 8.555  | 2345.13      | 0.710   |
| 13.800 | 1.97       | 1.561     | 10.932 | 2122.93      | 0.643   |
| 17.800 | 2.26       | 1.794     | 14.100 | 1918.41      | 0.581   |
| 21.800 | 2.60       | 2.060     | 17.269 | 1749.25      | 0.529   |
| 25.800 | 2.86       | 2.266     | 20.438 | 1613.92      | 0.488   |
| 29.800 | 3.31       | 2.618     | 23.606 | 1487.42      | 0.450   |
| 35.800 | 3.52       | 2.788     | 28.359 | 1344.17      | 0.407   |
| 45.800 | 4.17       | 3.303     | 36.281 | 1150.32      | 0.348   |
| 55.800 | 4.96       | 3.929     | 44.202 | 1000.35      | 0.303   |

TABLE- 6

ALPHA=37.12  
 YC=0.1016 CM  
 UC=4593.3 CM/SEC  
 REC=3115.0

| X(CM)  | $Y_1$ (CM) | $Y_1$ /YC | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|-----------|---------|--------------|---------|
| 0.450  | 0.12       | 1.171     | 4.429   | 4478.12      | 0.975   |
| 0.950  | 0.14       | 1.392     | 9.350   | 4201.36      | 0.915   |
| 1.950  | 0.28       | 2.776     | 19.193  | 2388.72      | 0.520   |
| 2.450  | 0.35       | 3.425     | 24.114  | 2113.18      | 0.460   |
| 4.950  | 0.70       | 6.929     | 48.720  | 1216.76      | 0.265   |
| 6.450  | 0.87       | 8.563     | 63.484  | 1066.19      | 0.232   |
| 8.450  | 1.04       | 10.236    | 83.169  | 942.75       | 0.205   |
| 10.450 | 1.31       | 12.874    | 102.854 | 844.30       | 0.184   |

TABLE- 7

ALPHA=37.12

YC=0.1956 CM

UC=5192.3 CM/SEC

REC=6777.6

| X (CM) | $Y_1$ (CM) | $Y_1/YC$ | X/YC    | UMAX (CM/SEC) | UMAX/UC |
|--------|------------|----------|---------|---------------|---------|
| 0.900  | 0.25       | 1.297    | 4.602   | 4510.43       | 0.869   |
| 1.900  | 0.36       | 1.856    | 9.715   | 3620.41       | 0.697   |
| 2.900  | 0.44       | 2.229    | 14.828  | 3097.07       | 0.596   |
| 4.900  | 0.57       | 2.902    | 25.054  | 2465.22       | 0.475   |
| 6.900  | 0.73       | 3.732    | 35.280  | 2073.55       | 0.399   |
| 8.900  | 0.88       | 4.499    | 45.506  | 1778.51       | 0.343   |
| 11.900 | 1.13       | 5.752    | 60.845  | 1496.87       | 0.288   |
| 15.900 | 1.45       | 7.399    | 81.297  | 1245.11       | 0.240   |
| 19.900 | 1.66       | 8.488    | 101.749 | 1079.91       | 0.208   |
| 25.900 | 2.17       | 11.095   | 132.427 | 886.36        | 0.171   |

TABLE- 8

ALPHA=37.12

YC=0.3150 CM

UC=4897.2 CM/SEC

REC=10290.0

| X (CM) | $Y_1$ (CM) | $Y_1/YC$ | X/YC    | UMAX (CM/SEC) | UMAX/UC |
|--------|------------|----------|---------|---------------|---------|
| 0.680  | 0.36       | 1.132    | 2.159   | 4754.88       | 0.971   |
| 1.680  | 0.37       | 1.164    | 5.334   | 4515.00       | 0.922   |
| 2.680  | 0.39       | 1.246    | 8.509   | 4167.23       | 0.851   |
| 3.680  | 0.44       | 1.387    | 11.684  | 3831.34       | 0.782   |
| 5.680  | 0.55       | 1.743    | 18.034  | 3202.23       | 0.654   |
| 7.680  | 0.70       | 2.229    | 24.384  | 2735.58       | 0.559   |
| 9.680  | 0.84       | 2.683    | 30.734  | 2388.72       | 0.488   |
| 12.680 | 1.04       | 3.302    | 40.259  | 2007.72       | 0.410   |
| 16.680 | 1.30       | 4.137    | 52.959  | 1633.12       | 0.333   |
| 20.680 | 1.57       | 4.978    | 65.659  | 1363.98       | 0.279   |
| 26.680 | 1.92       | 6.096    | 84.709  | 1128.37       | 0.230   |
| 32.680 | 2.31       | 7.334    | 103.759 | 931.77        | 0.190   |

TABLE- 9

ALPHA=37.12

YC=0.6210 CM

UC=4408.3 CM/SEC

REC=18270.0

| X(CM)  | $Y_1$ (CM) | $Y_1$ /YC | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|-----------|--------|--------------|---------|
| 1.130  | 0.61       | 0.977     | 1.820  | 4426.92      | 1.004   |
| 3.130  | 0.61       | 0.982     | 5.040  | 4275.12      | 0.970   |
| 5.130  | 0.63       | 1.010     | 8.260  | 3884.68      | 0.881   |
| 7.130  | 0.76       | 1.224     | 11.481 | 3402.48      | 0.772   |
| 10.130 | 0.96       | 1.547     | 16.312 | 2802.94      | 0.636   |
| 13.130 | 1.18       | 1.903     | 21.142 | 2364.33      | 0.536   |
| 17.130 | 1.53       | 2.459     | 27.583 | 1964.13      | 0.446   |
| 22.130 | 1.88       | 3.019     | 35.634 | 1594.71      | 0.362   |
| 27.130 | 2.18       | 3.510     | 43.685 | 1336.55      | 0.303   |
| 33.130 | 2.73       | 4.396     | 53.347 | 1126.54      | 0.256   |
| 39.130 | 3.12       | 5.024     | 63.008 | 972.31       | 0.221   |

TABLE-10

ALPHA=37.12

YC=1.2649 CM

UC=3710.6 CM/SEC

REC=31330.0

| X(CM)  | $Y_1$ (CM) | $Y_1$ /YC | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|-----------|--------|--------------|---------|
| 1.050  | 1.02       | 0.806     | 0.830  | 3738.37      | 1.007   |
| 5.050  | 0.93       | 0.734     | 3.992  | 3444.85      | 0.928   |
| 9.050  | 1.03       | 0.818     | 7.155  | 2981.55      | 0.804   |
| 13.050 | 1.24       | 0.980     | 10.317 | 2473.76      | 0.667   |
| 17.050 | 1.49       | 1.177     | 13.479 | 2083.61      | 0.562   |
| 23.050 | 1.92       | 1.519     | 18.222 | 1652.02      | 0.445   |
| 29.050 | 2.41       | 1.901     | 22.966 | 1367.03      | 0.368   |
| 35.050 | 2.91       | 2.301     | 27.709 | 1167.99      | 0.315   |



TABLE-11

ALPHA=53.92  
 YC=0.1029 CM  
 UC=5120.0 CM/SEC  
 REC=3516.0

| X(CM)  | $Y_1$ (CM) | $Y_1$ / YC | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|------------|---------|--------------|---------|
| 0.500  | 0.13       | 1.283      | 4.861   | 5091.68      | 0.994   |
| 1.000  | 0.14       | 1.321      | 9.721   | 4760.06      | 0.930   |
| 2.000  | 0.34       | 3.286      | 19.442  | 2423.16      | 0.473   |
| 4.000  | 0.53       | 5.123      | 38.884  | 1563.32      | 0.305   |
| 6.000  | 0.82       | 7.952      | 58.326  | 1360.93      | 0.266   |
| 9.000  | 1.06       | 10.304     | 87.489  | 1050.65      | 0.205   |
| 12.000 | 1.39       | 13.541     | 116.652 | 858.01       | 0.168   |
| 15.000 | 1.48       | 14.397     | 145.815 | 755.29       | 0.147   |

TABLE-12

ALPHA=53.92  
 YC=0.2057 CM  
 UC=4440.9 CM/SEC  
 REC=6098.0

| X(CM)  | $Y_1$ (CM) | $Y_1$ / YC | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|------------|---------|--------------|---------|
| 1.100  | 0.29       | 1.397      | 5.347   | 4137.36      | 0.932   |
| 2.100  | 0.32       | 1.572      | 10.207  | 3754.83      | 0.846   |
| 4.100  | 0.41       | 1.983      | 19.928  | 2946.81      | 0.664   |
| 6.100  | 0.53       | 2.571      | 29.649  | 2414.63      | 0.544   |
| 9.100  | 0.72       | 3.509      | 44.231  | 1891.28      | 0.426   |
| 12.100 | 0.91       | 4.418      | 58.812  | 1545.95      | 0.348   |
| 16.100 | 1.17       | 5.687      | 78.254  | 1238.40      | 0.279   |
| 20.100 | 1.44       | 6.975      | 97.696  | 1030.83      | 0.232   |
| 26.100 | 1.86       | 9.041      | 126.859 | 813.51       | 0.183   |

TABLE-13

ALPHA=53.92

YC=0.3073 CM

UC=4770.1 CM/SEC

REC=9784.0

| X(CM)  | $Y_1$ (CM) | $Y_1$ /YC | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|-----------|---------|--------------|---------|
| 1.200  | 0.35       | 1.124     | 3.904   | 4500.98      | 0.944   |
| 3.200  | 0.41       | 1.318     | 10.412  | 3895.34      | 0.817   |
| 4.200  | 0.46       | 1.485     | 13.666  | 3539.64      | 0.742   |
| 6.200  | 0.57       | 1.844     | 20.173  | 3002.28      | 0.629   |
| 8.200  | 0.65       | 2.121     | 26.681  | 2572.51      | 0.539   |
| 11.200 | 0.86       | 2.805     | 36.442  | 2088.49      | 0.438   |
| 14.200 | 1.06       | 3.433     | 46.203  | 1729.13      | 0.362   |
| 18.200 | 1.33       | 4.314     | 59.218  | 1445.06      | 0.303   |
| 22.200 | 1.58       | 5.151     | 72.233  | 1199.39      | 0.251   |
| 26.200 | 1.84       | 5.990     | 85.248  | 1046.68      | 0.219   |
| 32.200 | 2.28       | 7.402     | 104.770 | 868.68       | 0.182   |

TABLE-14

ALPHA=53.92

YC=0.6058 CM

UC=4491.8 CM/SEC

REC=18160.0

| X(CM)  | $Y_1$ (CM) | $Y_1$ /YC | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|-----------|--------|--------------|---------|
| 1.170  | 0.58       | 0.951     | 1.931  | 4398.87      | 0.979   |
| 4.170  | 0.59       | 0.976     | 6.884  | 3907.84      | 0.870   |
| 7.170  | 0.74       | 1.223     | 11.836 | 3259.84      | 0.726   |
| 11.170 | 0.97       | 1.595     | 18.439 | 2481.99      | 0.553   |
| 15.170 | 1.26       | 2.082     | 25.042 | 2002.54      | 0.446   |
| 20.170 | 1.64       | 2.707     | 33.295 | 1571.24      | 0.350   |
| 26.170 | 2.19       | 3.623     | 43.200 | 1245.11      | 0.277   |
| 32.170 | 2.60       | 4.292     | 53.104 | 1030.83      | 0.229   |

TABLE-15.

ALPHA=53.92  
 YC=1.2725 CM  
 UC=3730.4 CM/SEC  
 REC=31680.0

| X(CM)  | $\frac{Y_1}{2}$ (CM) | $\frac{Y_1}{2}$ / YC | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|----------------------|----------------------|--------|--------------|---------|
| 3.200  | 0.84                 | 0.660                | 2.515  | 3492.40      | 0.936   |
| 6.200  | 0.92                 | 0.722                | 4.872  | 3056.64      | 0.819   |
| 10.200 | 1.09                 | 0.855                | 8.015  | 2531.67      | 0.679   |
| 14.200 | 1.42                 | 1.120                | 11.159 | 2053.74      | 0.551   |
| 20.200 | 1.82                 | 1.430                | 15.874 | 1571.24      | 0.421   |
| 27.200 | 2.34                 | 1.839                | 21.375 | 1203.05      | 0.322   |
| 34.200 | 2.72                 | 2.137                | 26.875 | 989.99       | 0.265   |

TABLE-16

ALPHA=70.08  
 YC=0.1016 CM  
 UC=5341.3 CM/SEC  
 REC=3622.0

| X(CM)  | $\frac{Y_1}{2}$ (CM) | $\frac{Y_1}{2}$ / YC | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|----------------------|----------------------|---------|--------------|---------|
| 0.770  | 0.18                 | 1.722                | 7.579   | 5144.11      | 0.963   |
| 1.270  | 0.23                 | 2.244                | 12.500  | 4206.85      | 0.788   |
| 2.270  | 0.32                 | 3.169                | 22.343  | 2743.20      | 0.514   |
| 3.270  | 0.46                 | 4.508                | 32.185  | 2151.89      | 0.403   |
| 4.270  | 0.58                 | 5.699                | 42.028  | 1880.31      | 0.352   |
| 5.270  | 0.70                 | 6.900                | 51.870  | 1680.36      | 0.315   |
| 6.270  | 0.79                 | 7.746                | 61.713  | 1487.42      | 0.278   |
| 8.270  | 0.93                 | 9.114                | 81.398  | 1203.05      | 0.225   |
| 9.270  | 1.04                 | 10.236               | 91.240  | 1095.15      | 0.205   |
| 11.270 | 1.19                 | 11.663               | 110.925 | 941.83       | 0.176   |

TABLE-17

ALPHA=70.08  
 YC=0.1956 CM  
 UC=5212.1 CM/SEC  
 REC=6803.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|---------|--------------|---------|
| 1.270  | 0.26       | 1.350    | 6.494   | 4922.22      | 0.944   |
| 2.270  | 0.38       | 1.922    | 11.607  | 3782.26      | 0.726   |
| 3.270  | 0.45       | 2.291    | 16.720  | 3202.23      | 0.614   |
| 5.270  | 0.60       | 3.093    | 26.945  | 2490.52      | 0.478   |
| 7.270  | 0.75       | 3.850    | 37.171  | 2033.32      | 0.390   |
| 8.270  | 0.85       | 4.341    | 42.284  | 1875.74      | 0.360   |
| 9.270  | 0.94       | 4.827    | 47.397  | 1731.26      | 0.332   |
| 11.270 | 1.10       | 5.635    | 57.623  | 1508.15      | 0.289   |
| 14.270 | 1.31       | 6.672    | 72.962  | 1269.80      | 0.244   |
| 17.270 | 1.52       | 7.767    | 88.301  | 1096.37      | 0.210   |
| 21.270 | 1.81       | 9.265    | 108.753 | 931.77       | 0.179   |
| 25.270 | 2.13       | 10.916   | 129.205 | 787.60       | 0.151   |

TABLE-18

ALPHA=70.08  
 YC=0.3048 CM  
 UC=5144.1 CM/SEC  
 REC=10460.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|---------|--------------|---------|
| 1.000  | 0.36       | 1.175    | 3.281   | 5132.22      | 0.998   |
| 2.000  | 0.38       | 1.246    | 6.562   | 4820.41      | 0.937   |
| 3.000  | 0.43       | 1.401    | 9.843   | 4303.78      | 0.837   |
| 5.000  | 0.53       | 1.752    | 16.404  | 3390.29      | 0.659   |
| 7.000  | 0.75       | 2.451    | 22.966  | 2788.01      | 0.542   |
| 10.000 | 0.83       | 2.723    | 32.808  | 2143.66      | 0.417   |
| 13.000 | 0.96       | 3.150    | 42.651  | 1784.30      | 0.347   |
| 16.000 | 1.15       | 3.783    | 52.493  | 1456.33      | 0.283   |
| 20.000 | 1.35       | 4.429    | 65.617  | 1171.65      | 0.228   |
| 24.000 | 1.56       | 5.118    | 78.740  | 981.46       | 0.191   |
| 28.000 | 1.64       | 5.381    | 91.864  | 777.24       | 0.151   |
| 32.000 | 1.84       | 6.037    | 104.987 | 698.60       | 0.136   |

TABLE-19

ALPHA=70.08

YC=0.6350 CM

UC=4623.2 CM/SEC

REC=19590.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|--------|--------------|---------|
| 1.000  | 0.63       | 0.992    | 1.575  | 4592.12      | 0.993   |
| 2.000  | 0.59       | 0.932    | 3.150  | 4569.56      | 0.988   |
| 3.000  | 0.58       | 0.910    | 4.724  | 4524.15      | 0.979   |
| 5.000  | 0.62       | 0.970    | 7.874  | 4041.34      | 0.874   |
| 7.000  | 0.75       | 1.183    | 11.024 | 3361.94      | 0.727   |
| 10.000 | 1.00       | 1.575    | 15.748 | 2636.52      | 0.570   |
| 13.000 | 1.25       | 1.961    | 20.472 | 2161.64      | 0.468   |
| 16.000 | 1.47       | 2.323    | 25.197 | 1846.78      | 0.399   |
| 20.000 | 1.81       | 2.855    | 31.496 | 1505.41      | 0.326   |
| 24.000 | 2.20       | 3.465    | 37.795 | 1289.30      | 0.279   |
| 28.000 | 2.50       | 3.937    | 44.094 | 1122.88      | 0.243   |
| 32.000 | 2.90       | 4.559    | 50.394 | 973.36       | 0.211   |

TABLE-20

ALPHA=70.08

YC=1.2700 CM

UC=3947.5 CM/SEC

REC=33460.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|--------|--------------|---------|
| 1.500  | 0.89       | 0.701    | 1.181  | 3884.68      | 0.984   |
| 2.500  | 0.86       | 0.677    | 1.969  | 3858.16      | 0.977   |
| 4.500  | 0.82       | 0.649    | 3.543  | 3648.76      | 0.924   |
| 6.500  | 0.87       | 0.688    | 5.118  | 3291.23      | 0.834   |
| 9.500  | 1.03       | 0.813    | 7.480  | 2743.20      | 0.695   |
| 12.500 | 1.24       | 0.975    | 9.843  | 2273.50      | 0.576   |
| 15.500 | 1.45       | 1.141    | 12.205 | 1929.08      | 0.489   |
| 19.500 | 1.79       | 1.409    | 15.354 | 1626.72      | 0.412   |
| 23.500 | 2.11       | 1.661    | 18.504 | 1386.54      | 0.351   |
| 27.500 | 2.47       | 1.941    | 21.654 | 1206.40      | 0.306   |
| 31.500 | 2.81       | 2.213    | 24.803 | 1058.57      | 0.268   |

TABLE-21

ALPHA=90.00

YC=0.0991 CM

UC=5042.6 CM/SEC

REC=3334.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC    | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|---------|--------------|---------|
| 0.500  | 0.10       | 1.001    | 5.047   | 5398.92      | 1.071   |
| 1.000  | 0.13       | 1.267    | 10.095  | 4703.06      | 0.933   |
| 1.500  | 0.26       | 2.668    | 15.142  | 3016.00      | 0.598   |
| 2.000  | 0.40       | 3.998    | 20.190  | 2273.50      | 0.451   |
| 2.500  | 0.45       | 4.512    | 25.237  | 2012.90      | 0.399   |
| 3.000  | 0.49       | 4.967    | 30.285  | 1737.36      | 0.345   |
| 3.500  | 0.56       | 5.663    | 35.332  | 1521.56      | 0.302   |
| 4.500  | 0.67       | 6.723    | 45.427  | 1236.88      | 0.245   |
| 6.500  | 0.84       | 8.530    | 65.617  | 886.36       | 0.176   |
| 8.500  | 1.03       | 10.418   | 85.807  | 719.02       | 0.143   |
| 10.500 | 1.08       | 10.852   | 105.996 | 612.95       | 0.122   |

TABLE-22

ALPHA=90.00

YC=0.1956 CM

UC=5379.7 CM/SEC

REC=7022.0

| X(CM)  | $Y_1$ (CM) | $Y_1/YC$ | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|--------|--------------|---------|
| 1.800  | 0.40       | 2.030    | 9.203  | 4015.74      | 0.746   |
| 3.800  | 0.44       | 2.250    | 19.429 | 2490.52      | 0.463   |
| 4.800  | 0.53       | 2.689    | 24.542 | 2093.37      | 0.389   |
| 5.800  | 0.59       | 3.017    | 29.655 | 1841.30      | 0.342   |
| 6.800  | 0.66       | 3.375    | 34.768 | 1652.02      | 0.307   |
| 7.800  | 0.76       | 3.881    | 39.881 | 1394.16      | 0.259   |
| 8.800  | 0.85       | 4.346    | 44.994 | 1269.80      | 0.236   |
| 9.800  | 0.88       | 4.525    | 50.107 | 1220.11      | 0.227   |
| 10.800 | 0.96       | 4.908    | 55.220 | 1150.32      | 0.214   |
| 11.800 | 1.01       | 5.164    | 60.333 | 1075.94      | 0.200   |
| 13.800 | 1.21       | 6.187    | 70.559 | 862.58       | 0.160   |
| 15.800 | 1.36       | 6.979    | 80.785 | 760.78       | 0.141   |
| 18.800 | 1.48       | 7.567    | 96.124 | 643.13       | 0.120   |

TABLE-23

ALPHA=90.00

YC=0.2921 CM

UC=5263.2 CM/SEC

REC=10260.0

| X(CM)  | Y <sub>1</sub> (CM) | Y <sub>1</sub> /YC | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|---------------------|--------------------|--------|--------------|---------|
| 1.200  | 0.32                | 1.085              | 4.108  | 5263.29      | 1.000   |
| 2.200  | 0.36                | 1.219              | 7.532  | 4811.88      | 0.914   |
| 3.200  | 0.40                | 1.376              | 10.955 | 4265.37      | 0.810   |
| 4.200  | 0.45                | 1.541              | 14.379 | 3749.34      | 0.712   |
| 6.200  | 0.62                | 2.109              | 21.226 | 3002.28      | 0.570   |
| 7.200  | 0.67                | 2.294              | 24.649 | 2727.96      | 0.518   |
| 9.200  | 0.81                | 2.790              | 31.496 | 2318.31      | 0.440   |
| 11.200 | 0.89                | 3.047              | 38.343 | 2018.08      | 0.383   |
| 12.200 | 0.66                | 2.246              | 41.767 | 1874.82      | 0.356   |
| 15.200 | 1.16                | 3.971              | 52.037 | 1574.29      | 0.299   |
| 18.200 | 1.34                | 4.605              | 62.307 | 1333.50      | 0.253   |
| 21.200 | 1.49                | 5.101              | 72.578 | 1152.14      | 0.219   |
| 24.200 | 1.68                | 5.751              | 82.848 | 1016.81      | 0.193   |
| 28.200 | 1.92                | 6.556              | 96.542 | 909.22       | 0.173   |

TABLE-24

ALPHA=90.00

YC=0.5842 CM

UC=4884.4 CM/SEC

REC=19040.0

| X(CM)  | Y <sub>1</sub> (CM) | Y <sub>1</sub> /YC | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|---------------------|--------------------|--------|--------------|---------|
| 2.200  | 0.53                | 0.902              | 3.766  | 4858.82      | 0.995   |
| 3.200  | 0.52                | 0.887              | 5.478  | 4725.31      | 0.967   |
| 4.200  | 0.55                | 0.938              | 7.189  | 4398.87      | 0.901   |
| 6.200  | 0.65                | 1.116              | 10.613 | 3648.76      | 0.747   |
| 8.200  | 0.81                | 1.388              | 14.036 | 3023.01      | 0.619   |
| 12.200 | 1.04                | 1.780              | 20.883 | 2300.63      | 0.471   |
| 15.200 | 1.25                | 2.143              | 26.018 | 1907.44      | 0.391   |
| 18.200 | 1.43                | 2.451              | 31.154 | 1620.32      | 0.332   |
| 21.200 | 1.67                | 2.859              | 36.289 | 1396.90      | 0.286   |
| 24.200 | 1.82                | 3.115              | 41.424 | 1220.11      | 0.250   |
| 28.200 | 2.05                | 3.509              | 48.271 | 1032.97      | 0.211   |

TABLE-25

ALPHA=90.00

YC=1.2573 CM

UC=4093.5 CM/SEC

REC=34350.0

| X(CM)  | $Y_2$ (CM) | $Y_1/YC$ | X/YC   | UMAX(CM/SEC) | UMAX/UC |
|--------|------------|----------|--------|--------------|---------|
| 1.150  | 0.86       | 0.684    | 0.915  | 4107.18      | 1.003   |
| 2.150  | 0.82       | 0.655    | 1.710  | 4041.34      | 0.987   |
| 3.150  | 0.76       | 0.608    | 2.505  | 4015.74      | 0.981   |
| 4.150  | 0.75       | 0.600    | 3.301  | 3868.83      | 0.945   |
| 6.150  | 0.84       | 0.670    | 4.891  | 3456.74      | 0.844   |
| 8.150  | 0.97       | 0.768    | 6.482  | 3002.28      | 0.733   |
| 12.150 | 1.28       | 1.018    | 9.664  | 2264.36      | 0.553   |
| 15.150 | 1.42       | 1.129    | 12.050 | 1944.93      | 0.475   |
| 18.150 | 1.64       | 1.306    | 14.436 | 1676.70      | 0.410   |
| 21.150 | 1.82       | 1.450    | 16.822 | 1466.39      | 0.358   |
| 24.150 | 2.08       | 1.654    | 19.208 | 1302.11      | 0.318   |



TABLE A-26

ALPHA=11.25  
 YC=0.3327 CM  
 CS=0.703

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC     | CW/CS  |
|---------|--------|---------|--------|----------|--------|
| 0.0000  | 7.0300 | 9.1500  | 0.7683 | 0.0000   | 1.0929 |
| 0.0000  | 6.1000 | 8.1000  | 0.7531 | 0.0000   | 1.0712 |
| 0.0000  | 5.5500 | 8.2000  | 0.6768 | 0.0000   | 0.9628 |
| 1.7780  | 7.7500 | 12.0500 | 0.6432 | 5.3435   | 0.9149 |
| 1.7780  | 7.5000 | 10.8700 | 0.6900 | 5.3435   | 0.9815 |
| 1.7780  | 7.5500 | 10.7800 | 0.7004 | 5.3435   | 0.9962 |
| 4.5720  | 7.7000 | 12.0500 | 0.6390 | 13.7405  | 0.9090 |
| 4.5720  | 7.5000 | 10.8500 | 0.6912 | 13.7405  | 0.9833 |
| 4.5720  | 7.5000 | 11.2500 | 0.6667 | 13.7405  | 0.9483 |
| 8.5852  | 5.5000 | 10.9000 | 0.5046 | 25.8015  | 0.7178 |
| 8.5852  | 4.9000 | 9.6500  | 0.5078 | 25.8015  | 0.7223 |
| 8.5852  | 5.2900 | 10.8000 | 0.4898 | 25.8015  | 0.6967 |
| 12.4460 | 4.7500 | 11.4000 | 0.4167 | 37.4046  | 0.5927 |
| 12.4460 | 4.6000 | 12.0600 | 0.3814 | 37.4046  | 0.5426 |
| 12.4460 | 4.1000 | 10.0000 | 0.4100 | 37.4046  | 0.5832 |
| 12.4460 | 4.4500 | 10.7000 | 0.4159 | 37.4046  | 0.5916 |
| 17.3990 | 3.9500 | 11.1500 | 0.3543 | 52.2901  | 0.5039 |
| 17.3990 | 3.8500 | 10.9500 | 0.3516 | 52.2901  | 0.5001 |
| 22.6060 | 3.6000 | 11.5000 | 0.3130 | 67.9389  | 0.4453 |
| 22.6060 | 3.4000 | 10.6000 | 0.3208 | 67.9389  | 0.4563 |
| 22.6060 | 3.5000 | 11.0500 | 0.3167 | 67.9389  | 0.4506 |
| 29.7180 | 2.9500 | 11.1000 | 0.2658 | 89.3130  | 0.3780 |
| 29.7180 | 2.8500 | 10.7000 | 0.2664 | 89.3130  | 0.3789 |
| 36.5252 | 2.5500 | 11.3500 | 0.2247 | 109.7710 | 0.3196 |
| 36.5252 | 2.5000 | 11.0000 | 0.2273 | 109.7710 | 0.3233 |
| 46.6090 | 2.0000 | 10.6500 | 0.1878 | 140.0763 | 0.2671 |
| 46.6090 | 2.0500 | 10.8000 | 0.1898 | 140.0763 | 0.2700 |
| 56.5404 | 1.7500 | 11.5000 | 0.1522 | 169.9237 | 0.2165 |
| 56.5404 | 1.7500 | 11.3500 | 0.1542 | 169.9237 | 0.2193 |

TABLE A-27

ALPHA=11.25  
 YC=0.3327 CM  
 CS=0.820

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC     | CW/CS  |
|---------|--------|---------|--------|----------|--------|
| 0.0000  | 7.5000 | 8.8000  | 0.8523 | 0.0000   | 1.0394 |
| 0.0000  | 8.6000 | 10.1000 | 0.8515 | 0.0000   | 1.0384 |
| 0.0000  | 3.9000 | 6.0000  | 0.6500 | 0.0000   | 0.7927 |
| 0.0000  | 4.6500 | 7.1000  | 0.6549 | 0.0000   | 0.7987 |
| 4.5720  | 7.6000 | 10.9000 | 0.6972 | 13.7405  | 0.8503 |
| 4.5720  | 7.4500 | 10.7000 | 0.6963 | 13.7405  | 0.8491 |
| 8.5852  | 5.7500 | 10.8000 | 0.5324 | 25.8015  | 0.6493 |
| 8.5852  | 5.5500 | 10.6500 | 0.5211 | 25.8015  | 0.6355 |
| 12.4460 | 4.4500 | 10.9000 | 0.4083 | 37.4046  | 0.4979 |
| 12.4460 | 4.4500 | 10.6000 | 0.4198 | 37.4046  | 0.5120 |
| 17.3990 | 3.3500 | 10.6000 | 0.3160 | 52.2901  | 0.3854 |
| 17.3990 | 3.8500 | 10.8000 | 0.3565 | 52.2901  | 0.4347 |
| 22.6060 | 3.5000 | 11.0500 | 0.3167 | 67.9389  | 0.3863 |
| 22.6060 | 3.4000 | 10.9000 | 0.3119 | 67.9389  | 0.3804 |
| 29.7180 | 2.8000 | 10.6000 | 0.2642 | 89.3130  | 0.3221 |
| 29.7180 | 2.9000 | 11.0000 | 0.2636 | 89.3130  | 0.3215 |
| 36.5252 | 2.4000 | 11.3000 | 0.2124 | 109.7710 | 0.2590 |
| 36.5252 | 2.3700 | 11.0500 | 0.2145 | 109.7710 | 0.2616 |
| 46.6090 | 1.9000 | 11.0000 | 0.1727 | 140.0763 | 0.2106 |
| 46.6090 | 2.0000 | 10.9000 | 0.1835 | 140.0763 | 0.2238 |
| 56.5404 | 2.0000 | 11.4000 | 0.1754 | 169.9237 | 0.2139 |
| 56.5404 | 1.8500 | 11.5500 | 0.1602 | 169.9237 | 0.1953 |
| 56.5404 | 1.8500 | 11.3000 | 0.1637 | 169.9237 | 0.1997 |
| 56.5404 | 1.8000 | 11.0000 | 0.1636 | 169.9237 | 0.1996 |

TABLE A-28

ALPHA=11.25  
 YC=0.6325 CM  
 CS=0.510

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 2.6500 | 5.2500  | 0.5048 | 0.0000  | 0.9897 |
| 0.0000  | 3.4000 | 6.8000  | 0.5000 | 0.0000  | 0.9804 |
| 0.0000  | 4.7500 | 9.8600  | 0.4817 | 0.0000  | 0.9446 |
| 0.0000  | 5.6500 | 12.3500 | 0.4575 | 0.0000  | 0.8970 |
| 3.1242  | 5.4000 | 10.5000 | 0.5143 | 4.9398  | 1.0084 |
| 3.1242  | 5.8500 | 11.9500 | 0.4895 | 4.9398  | 0.9599 |
| 3.1242  | 5.7000 | 11.4000 | 0.5000 | 4.9398  | 0.9804 |
| 5.9182  | 5.0000 | 11.0000 | 0.4545 | 9.3574  | 0.8913 |
| 5.9182  | 5.0500 | 11.2000 | 0.4509 | 9.3574  | 0.8841 |
| 9.9060  | 4.5500 | 11.8500 | 0.3840 | 15.6627 | 0.7529 |
| 9.9060  | 4.2000 | 10.7000 | 0.3925 | 15.6627 | 0.7697 |
| 13.7922 | 3.8700 | 10.1500 | 0.3813 | 21.8072 | 0.7476 |
| 13.7922 | 3.8000 | 11.2000 | 0.3393 | 21.8072 | 0.6653 |
| 18.7452 | 3.1500 | 10.6000 | 0.2972 | 29.6386 | 0.5827 |
| 18.7452 | 3.1500 | 11.1500 | 0.2825 | 29.6386 | 0.5539 |
| 18.7452 | 2.9000 | 10.7000 | 0.2710 | 29.6386 | 0.5314 |
| 23.9522 | 2.8000 | 10.8000 | 0.2593 | 37.8715 | 0.5084 |
| 23.9522 | 3.0000 | 12.2000 | 0.2459 | 37.8715 | 0.4822 |
| 23.9522 | 2.9000 | 13.5000 | 0.2148 | 37.8715 | 0.4212 |
| 23.9522 | 1.8500 | 11.7000 | 0.1581 | 37.8715 | 0.3100 |
| 23.9522 | 2.6000 | 11.0000 | 0.2364 | 37.8715 | 0.4635 |
| 23.9522 | 2.4000 | 11.2000 | 0.2143 | 37.8715 | 0.4202 |
| 31.0642 | 2.6000 | 12.5500 | 0.2072 | 49.1165 | 0.4062 |
| 31.0642 | 2.4500 | 12.1000 | 0.2025 | 49.1165 | 0.3970 |
| 31.0642 | 2.3000 | 10.8000 | 0.2130 | 49.1165 | 0.4176 |
| 31.0642 | 2.0000 | 10.3000 | 0.1942 | 49.1165 | 0.3807 |
| 37.8460 | 2.4000 | 13.0000 | 0.1846 | 59.8394 | 0.3620 |
| 37.8460 | 2.0700 | 11.9000 | 0.1739 | 59.8394 | 0.3411 |
| 37.8460 | 2.0700 | 10.9500 | 0.1890 | 59.8394 | 0.3707 |
| 37.8460 | 2.1000 | 11.9000 | 0.1765 | 59.8394 | 0.3460 |
| 47.9552 | 1.7000 | 12.3000 | 0.1382 | 75.8233 | 0.2710 |
| 47.9552 | 1.8000 | 12.2000 | 0.1475 | 75.8233 | 0.2893 |
| 57.8866 | 1.5500 | 11.5000 | 0.1348 | 91.5261 | 0.2643 |
| 57.8866 | 1.3500 | 10.5000 | 0.1286 | 91.5261 | 0.2521 |

TABLE A-29

ALPHA=11.25

YC=0.6325 CM

CS=0.509

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 3.7500 | 7.9000  | 0.4747 | 0.0000  | 0.9326 |
| 0.0000  | 4.5000 | 9.8000  | 0.4592 | 0.0000  | 0.9021 |
| 0.0000  | 8.5000 | 16.0000 | 0.5313 | 0.0000  | 1.0437 |
| 0.0000  | 6.2500 | 11.7000 | 0.5342 | 0.0000  | 1.0495 |
| 0.0000  | 7.6000 | 14.3500 | 0.5296 | 0.0000  | 1.0405 |
| 3.1242  | 5.2500 | 10.7000 | 0.4907 | 4.9398  | 0.9640 |
| 3.1242  | 5.2700 | 10.9500 | 0.4813 | 4.9398  | 0.9455 |
| 5.9182  | 5.4000 | 11.4000 | 0.4737 | 9.3574  | 0.9306 |
| 5.9182  | 5.2700 | 11.3000 | 0.4664 | 9.3574  | 0.9163 |
| 9.9060  | 4.5000 | 11.3500 | 0.3965 | 15.6627 | 0.7789 |
| 9.9060  | 4.4500 | 11.1000 | 0.4009 | 15.6627 | 0.7876 |
| 13.7922 | 3.3500 | 10.1000 | 0.3317 | 21.8072 | 0.6516 |
| 13.7922 | 3.5500 | 10.9500 | 0.3242 | 21.8072 | 0.6369 |
| 18.7452 | 3.1000 | 11.6000 | 0.2672 | 29.6386 | 0.5250 |
| 18.7452 | 3.1000 | 10.0000 | 0.3100 | 29.6386 | 0.6090 |
| 18.7452 | 3.0700 | 10.5500 | 0.2910 | 29.6386 | 0.5717 |
| 23.9522 | 2.7000 | 11.5000 | 0.2348 | 37.8715 | 0.4613 |
| 23.9522 | 2.1100 | 7.7000  | 0.2740 | 37.8715 | 0.5384 |
| 23.9522 | 2.9000 | 10.9000 | 0.2661 | 37.8715 | 0.5227 |
| 31.0642 | 2.3500 | 11.6000 | 0.2026 | 49.1165 | 0.3980 |
| 31.0642 | 2.4000 | 11.1000 | 0.2162 | 49.1165 | 0.4248 |
| 31.0642 | 2.2500 | 11.1500 | 0.2018 | 49.1165 | 0.3965 |
| 37.8460 | 2.1000 | 11.2000 | 0.1875 | 59.8394 | 0.3684 |
| 37.8460 | 2.0000 | 9.5000  | 0.2105 | 59.8394 | 0.4136 |
| 37.8460 | 2.0000 | 10.3000 | 0.1942 | 59.8394 | 0.3815 |
| 47.9552 | 1.8000 | 11.4000 | 0.1579 | 75.8233 | 0.3102 |
| 47.9552 | 1.6500 | 10.9000 | 0.1514 | 75.8233 | 0.2974 |
| 57.8866 | 1.6500 | 10.7000 | 0.1542 | 91.5261 | 0.3030 |
| 57.8866 | 1.7200 | 10.8000 | 0.1593 | 91.5261 | 0.3129 |

TABLE A-30

ALPHA=11.25  
 YC=1.2675 CM  
 CS=0.345

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 3.8000 | 11.9000 | 0.3193 | 0.0000  | 0.9256 |
| 0.0000  | 1.9000 | 6.3000  | 0.3016 | 0.0000  | 0.8742 |
| 0.0000  | 2.3000 | 8.1500  | 0.2822 | 0.0000  | 0.8180 |
| 0.0000  | 2.0000 | 6.3700  | 0.3140 | 0.0000  | 0.9101 |
| 6.1722  | 3.9000 | 11.4000 | 0.3421 | 4.8697  | 0.9916 |
| 6.1722  | 3.7500 | 10.5000 | 0.3571 | 4.8697  | 1.0352 |
| 8.9662  | 3.4700 | 11.0700 | 0.3135 | 7.0741  | 0.9086 |
| 8.9662  | 3.7000 | 10.9000 | 0.3394 | 7.0741  | 0.9839 |
| 12.9540 | 3.1000 | 11.4000 | 0.2719 | 10.2204 | 0.7882 |
| 12.9540 | 3.2000 | 11.8000 | 0.2712 | 10.2204 | 0.7860 |
| 16.8402 | 2.9000 | 11.0000 | 0.2636 | 13.2866 | 0.7642 |
| 16.8402 | 2.7000 | 11.2000 | 0.2411 | 13.2866 | 0.6988 |
| 21.7932 | 2.3500 | 11.1000 | 0.2117 | 17.1944 | 0.6137 |
| 21.7932 | 2.4000 | 11.0500 | 0.2172 | 17.1944 | 0.6295 |
| 27.0002 | 2.2000 | 11.5000 | 0.1913 | 21.3026 | 0.5545 |
| 27.0002 | 2.0000 | 10.8000 | 0.1852 | 21.3026 | 0.5368 |
| 27.0002 | 2.0000 | 10.8000 | 0.1852 | 21.3026 | 0.5368 |
| 34.1122 | 1.8000 | 10.5000 | 0.1714 | 26.9138 | 0.4969 |
| 34.1122 | 1.7500 | 10.9500 | 0.1598 | 26.9138 | 0.4632 |
| 34.1122 | 1.6700 | 9.9000  | 0.1687 | 26.9138 | 0.4889 |
| 51.0032 | 1.6000 | 10.9000 | 0.1468 | 40.2405 | 0.4255 |
| 51.0032 | 1.6000 | 11.0000 | 0.1455 | 40.2405 | 0.4216 |
| 51.0032 | 1.6000 | 11.0000 | 0.1455 | 40.2405 | 0.4216 |
| 60.9346 | 1.4700 | 11.1000 | 0.1324 | 48.0762 | 0.3839 |
| 60.9346 | 1.4000 | 11.0000 | 0.1273 | 48.0762 | 0.3689 |

TABLE A-31

ALPHA=11.25  
 YC=1.2675 CM  
 CS=0.328

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 2.2000 | 8.4000  | 0.2619 | 0.0000  | 0.7985 |
| 6.1722  | 3.5000 | 10.8000 | 0.3241 | 4.8697  | 0.9880 |
| 6.1722  | 3.7000 | 11.2500 | 0.3289 | 4.8697  | 1.0027 |
| 8.9662  | 3.3500 | 11.0000 | 0.3045 | 7.0741  | 0.9285 |
| 8.9662  | 3.5000 | 11.3000 | 0.3097 | 7.0741  | 0.9443 |
| 12.9540 | 2.6700 | 11.4000 | 0.2342 | 10.2204 | 0.7141 |
| 12.9540 | 2.6500 | 11.3000 | 0.2345 | 10.2204 | 0.7150 |
| 16.8402 | 2.7500 | 11.3000 | 0.2434 | 13.2866 | 0.7420 |
| 16.8402 | 2.3000 | 9.4000  | 0.2447 | 13.2866 | 0.7460 |
| 21.7932 | 2.3700 | 11.0000 | 0.2155 | 17.1944 | 0.6569 |
| 21.7932 | 2.3000 | 10.6000 | 0.2170 | 17.1944 | 0.6615 |
| 27.0002 | 2.2700 | 11.7500 | 0.1932 | 21.3026 | 0.5890 |
| 27.0002 | 2.1700 | 11.2000 | 0.1937 | 21.3026 | 0.5907 |
| 34.1122 | 1.9000 | 11.1000 | 0.1712 | 26.9138 | 0.5219 |
| 34.1122 | 2.1000 | 11.2000 | 0.1875 | 26.9138 | 0.5716 |
| 34.1122 | 1.6500 | 10.5000 | 0.1571 | 26.9138 | 0.4791 |
| 40.8940 | 1.7500 | 11.7000 | 0.1496 | 32.2645 | 0.4560 |
| 40.8940 | 1.7500 | 11.6000 | 0.1509 | 32.2645 | 0.4599 |
| 51.0032 | 1.6000 | 11.8500 | 0.1350 | 40.2405 | 0.4116 |
| 51.0032 | 1.4000 | 10.7000 | 0.1308 | 40.2405 | 0.3989 |
| 60.9346 | 1.3000 | 10.3000 | 0.1262 | 48.0762 | 0.3848 |
| 60.9346 | 1.3000 | 9.9000  | 0.1313 | 48.0762 | 0.4003 |

TABLE A-32

ANGLE=37.12  
 YC=0.3175 CM  
 CS=0.819

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC     | CW/CS  |
|---------|--------|---------|--------|----------|--------|
| 0.0000  | 6.3000 | 7.0700  | 0.8911 | 0.0000   | 1.0880 |
| 0.0000  | 7.2000 | 8.3000  | 0.8675 | 0.0000   | 1.0592 |
| 0.0000  | 7.4000 | 8.4000  | 0.8810 | 0.0000   | 1.0756 |
| 0.0000  | 8.0000 | 9.1500  | 0.8743 | 0.0000   | 1.0675 |
| 0.0000  | 7.7500 | 9.6500  | 0.8031 | 0.0000   | 0.9806 |
| 0.4572  | 7.5500 | 10.2000 | 0.7402 | 1.4400   | 0.9038 |
| 0.4572  | 7.8500 | 9.8000  | 0.8010 | 1.4400   | 0.9780 |
| 0.4572  | 8.1500 | 10.2000 | 0.7990 | 1.4400   | 0.9756 |
| 2.4257  | 6.8000 | 8.0000  | 0.8500 | 7.6400   | 1.0379 |
| 2.4257  | 7.6000 | 10.3000 | 0.7379 | 7.6400   | 0.9009 |
| 4.3180  | 7.8500 | 10.8000 | 0.7269 | 13.6000  | 0.8875 |
| 4.3180  | 6.0000 | 10.6500 | 0.5634 | 13.6000  | 0.6879 |
| 8.2550  | 6.4000 | 11.1000 | 0.5766 | 26.0000  | 0.7040 |
| 8.2550  | 4.5500 | 9.7000  | 0.4691 | 26.0000  | 0.5727 |
| 12.2174 | 5.2000 | 11.6000 | 0.4483 | 38.4800  | 0.5473 |
| 12.2174 | 5.1500 | 11.2000 | 0.4598 | 38.4800  | 0.5614 |
| 16.3322 | 3.4500 | 9.2000  | 0.3750 | 51.4400  | 0.4579 |
| 16.3322 | 3.8500 | 11.0000 | 0.3500 | 51.4400  | 0.4274 |
| 22.4028 | 2.8500 | 9.8500  | 0.2893 | 70.5600  | 0.3533 |
| 22.4028 | 3.4000 | 11.6000 | 0.2931 | 70.5600  | 0.3579 |
| 22.4028 | 2.8000 | 11.6000 | 0.2414 | 70.5600  | 0.2947 |
| 28.4480 | 2.7000 | 11.2000 | 0.2411 | 89.6000  | 0.2943 |
| 28.4480 | 2.4000 | 9.7000  | 0.2474 | 89.6000  | 0.3021 |
| 34.3662 | 2.3000 | 10.8000 | 0.2130 | 108.2400 | 0.2600 |
| 34.3662 | 2.3000 | 10.9000 | 0.2110 | 108.2400 | 0.2576 |
| 40.2082 | 2.2000 | 11.2000 | 0.1964 | 126.6400 | 0.2398 |
| 40.2082 | 2.2000 | 11.6000 | 0.1897 | 126.6400 | 0.2316 |

TABLE A-33

ANGLE=37.12  
 YC=0.3175 CM  
 CS=0.868

| X(CM)   | P-ACT   | P-AIR   | CW     | X/YC     | CW/CS  |
|---------|---------|---------|--------|----------|--------|
| 0.0000  | 10.3500 | 12.0000 | 0.8625 | 0.0000   | 0.9937 |
| 0.0000  | 9.6500  | 11.3000 | 0.8540 | 0.0000   | 0.9839 |
| 0.0000  | 10.9500 | 12.4000 | 0.8831 | 0.0000   | 1.0174 |
| 0.4572  | 10.6000 | 12.7000 | 0.8346 | 1.4400   | 0.9616 |
| 0.4572  | 10.5000 | 13.0000 | 0.8077 | 1.4400   | 0.9305 |
| 0.4572  | 10.1500 | 12.5500 | 0.8088 | 1.4400   | 0.9318 |
| 2.4257  | 9.6000  | 11.5000 | 0.8348 | 7.6400   | 0.9617 |
| 2.4257  | 10.1500 | 12.2500 | 0.8286 | 7.6400   | 0.9546 |
| 4.3180  | 9.3000  | 12.3000 | 0.7561 | 13.6000  | 0.8711 |
| 4.3180  | 10.1000 | 13.5100 | 0.7476 | 13.6000  | 0.8613 |
| 8.2550  | 7.6000  | 13.2000 | 0.5758 | 26.0000  | 0.6633 |
| 8.2550  | 5.9000  | 11.6000 | 0.5086 | 26.0000  | 0.5860 |
| 8.2550  | 6.8500  | 11.9000 | 0.5756 | 26.0000  | 0.6632 |
| 12.2174 | 5.5000  | 11.7000 | 0.4701 | 38.4800  | 0.5416 |
| 12.2174 | 5.3500  | 11.3500 | 0.4714 | 38.4800  | 0.5430 |
| 16.3322 | 4.4000  | 11.6000 | 0.3793 | 51.4400  | 0.4370 |
| 16.3322 | 4.6000  | 10.4000 | 0.4423 | 51.4400  | 0.5096 |
| 22.4028 | 3.4000  | 11.5000 | 0.2957 | 70.5600  | 0.3406 |
| 22.4028 | 3.2000  | 10.4000 | 0.3077 | 70.5600  | 0.3545 |
| 28.4480 | 2.7000  | 11.0000 | 0.2455 | 89.6000  | 0.2828 |
| 28.4480 | 2.9000  | 10.8000 | 0.2685 | 89.6000  | 0.3094 |
| 34.3662 | 2.3500  | 10.9000 | 0.2156 | 108.2400 | 0.2484 |
| 34.3662 | 2.3000  | 11.0000 | 0.2091 | 108.2400 | 0.2409 |
| 40.2082 | 2.0000  | 11.3000 | 0.1770 | 126.6400 | 0.2039 |
| 40.2082 | 2.1000  | 11.5000 | 0.1826 | 126.6400 | 0.2104 |



TABLE A-34

ANGLE=37.12

YC=0.6350 CM

CS=0.480

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 3.6000 | 7.7000  | 0.4675 | 0.0000  | 0.9740 |
| 0.0000  | 2.4000 | 5.3000  | 0.4528 | 0.0000  | 0.9434 |
| 0.0000  | 4.1000 | 8.5500  | 0.4795 | 0.0000  | 0.9990 |
| 0.8890  | 5.2000 | 11.0000 | 0.4727 | 1.4000  | 0.9848 |
| 0.8890  | 5.2500 | 11.2000 | 0.4687 | 1.4000  | 0.9766 |
| 2.8702  | 5.5500 | 11.5000 | 0.4826 | 4.5200  | 1.0054 |
| 2.8702  | 5.3000 | 11.6000 | 0.4569 | 4.5200  | 0.9519 |
| 4.7752  | 5.1500 | 10.8000 | 0.4769 | 7.5200  | 0.9934 |
| 4.7752  | 5.3500 | 11.1000 | 0.4820 | 7.5200  | 1.0041 |
| 8.7122  | 4.5000 | 11.5000 | 0.3913 | 13.7200 | 0.8152 |
| 8.7122  | 4.3500 | 11.0000 | 0.3955 | 13.7200 | 0.8239 |
| 12.6746 | 3.7000 | 11.5500 | 0.3203 | 19.9600 | 0.6674 |
| 12.6746 | 3.3500 | 11.0500 | 0.3032 | 19.9600 | 0.6316 |
| 16.7894 | 3.0000 | 11.5000 | 0.2609 | 26.4400 | 0.5435 |
| 16.7894 | 2.8700 | 11.4000 | 0.2518 | 26.4400 | 0.5245 |
| 22.8600 | 2.1000 | 11.0000 | 0.1909 | 36.0000 | 0.3977 |
| 22.8600 | 2.1000 | 11.0000 | 0.1909 | 36.0000 | 0.3977 |
| 28.9052 | 1.7500 | 11.1000 | 0.1577 | 45.5200 | 0.3285 |
| 28.9052 | 2.0000 | 11.7000 | 0.1709 | 45.5200 | 0.3561 |
| 34.7980 | 1.6000 | 11.6000 | 0.1379 | 54.8000 | 0.2874 |
| 34.7980 | 1.6500 | 11.5000 | 0.1435 | 54.8000 | 0.2989 |
| 40.6400 | 1.4500 | 11.4000 | 0.1272 | 64.0000 | 0.2650 |
| 40.6400 | 1.4000 | 11.5000 | 0.1217 | 64.0000 | 0.2536 |

TABLE A-35

ANGLE=37.12  
 YC=0.6350 CM  
 CS=0.502

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 2.8000 | 5.5000  | 0.5091 | 0.0000  | 1.0141 |
| 0.0000  | 4.5000 | 8.9000  | 0.5056 | 0.0000  | 1.0072 |
| 0.0000  | 4.6500 | 9.3500  | 0.4973 | 0.0000  | 0.9907 |
| 0.8890  | 3.7000 | 7.8000  | 0.4744 | 1.4000  | 0.9449 |
| 0.8890  | 5.7000 | 12.1000 | 0.4711 | 1.4000  | 0.9384 |
| 0.8890  | 5.8000 | 12.7000 | 0.4567 | 1.4000  | 0.9097 |
| 2.8702  | 5.6000 | 11.5000 | 0.4870 | 4.5200  | 0.9700 |
| 2.8702  | 5.7000 | 11.3000 | 0.5044 | 4.5200  | 1.0048 |
| 4.7752  | 5.1000 | 10.6500 | 0.4789 | 7.5200  | 0.9539 |
| 4.7752  | 5.8000 | 12.3000 | 0.4715 | 7.5200  | 0.9393 |
| 8.7122  | 5.0000 | 12.1500 | 0.4115 | 13.7200 | 0.8198 |
| 8.7122  | 4.8000 | 12.5000 | 0.3840 | 13.7200 | 0.7649 |
| 12.6746 | 3.8500 | 12.8000 | 0.3008 | 19.9600 | 0.5992 |
| 12.6746 | 3.6500 | 12.6500 | 0.2885 | 19.9600 | 0.5748 |
| 16.7894 | 2.8000 | 11.4000 | 0.2456 | 26.4400 | 0.4893 |
| 16.7894 | 3.0000 | 12.6000 | 0.2381 | 26.4400 | 0.4743 |
| 22.8600 | 2.3500 | 12.6000 | 0.1865 | 36.0000 | 0.3715 |
| 22.8600 | 2.3500 | 12.6000 | 0.1865 | 36.0000 | 0.3715 |
| 28.9052 | 2.0000 | 12.5500 | 0.1594 | 45.5200 | 0.3175 |
| 28.9052 | 1.8000 | 11.3000 | 0.1593 | 45.5200 | 0.3173 |
| 34.7980 | 1.6000 | 10.4000 | 0.1538 | 54.8000 | 0.3065 |
| 34.7980 | 1.3000 | 11.8000 | 0.1102 | 54.8000 | 0.2195 |
| 34.7980 | 1.7000 | 11.5000 | 0.1478 | 54.8000 | 0.2945 |
| 40.6400 | 1.5000 | 11.4000 | 0.1316 | 64.0000 | 0.2621 |
| 40.6400 | 1.4000 | 10.9000 | 0.1284 | 64.0000 | 0.2559 |

TABLE A-36

ANGLE=37.12  
 YC=1.2675 CM  
 CS=0.384

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 3.6500 | 9.0000  | 0.4056 | 0.0000  | 1.0561 |
| 0.0000  | 2.7500 | 7.5500  | 0.3642 | 0.0000  | 0.9485 |
| 0.0000  | 2.6500 | 7.0000  | 0.3786 | 0.0000  | 0.9859 |
| 1.7145  | 4.2500 | 11.3000 | 0.3761 | 1.3527  | 0.9794 |
| 1.7145  | 4.0500 | 10.8500 | 0.3733 | 1.3527  | 0.9721 |
| 3.7084  | 4.2000 | 11.0000 | 0.3818 | 2.9259  | 0.9943 |
| 3.7084  | 4.2000 | 11.2500 | 0.3733 | 2.9259  | 0.9722 |
| 5.5880  | 4.1000 | 10.8000 | 0.3796 | 4.4088  | 0.9886 |
| 5.5880  | 4.3000 | 11.5000 | 0.3739 | 4.4088  | 0.9737 |
| 9.5250  | 3.9000 | 10.8500 | 0.3594 | 7.5150  | 0.9361 |
| 9.5250  | 3.9000 | 10.9000 | 0.3578 | 7.5150  | 0.9318 |
| 13.4874 | 3.4500 | 10.9000 | 0.3165 | 10.6413 | 0.8243 |
| 13.4874 | 3.6000 | 11.6000 | 0.3103 | 10.6413 | 0.8082 |
| 17.6022 | 3.0000 | 11.3000 | 0.2655 | 13.8878 | 0.6914 |
| 17.6022 | 3.0000 | 11.3000 | 0.2655 | 13.8878 | 0.6914 |
| 23.6728 | 2.4700 | 11.2500 | 0.2196 | 18.6774 | 0.5718 |
| 23.6728 | 2.1000 | 10.0000 | 0.2100 | 18.6774 | 0.5469 |
| 29.7180 | 1.9000 | 11.5000 | 0.1652 | 23.4469 | 0.4303 |
| 29.7180 | 1.9000 | 11.7000 | 0.1624 | 23.4469 | 0.4229 |
| 35.6362 | 1.7000 | 11.2000 | 0.1518 | 28.1162 | 0.3953 |
| 35.6362 | 1.7000 | 11.4000 | 0.1491 | 28.1162 | 0.3883 |
| 41.4782 | 1.4700 | 11.6500 | 0.1262 | 32.7255 | 0.3286 |
| 41.4782 | 1.5000 | 11.6000 | 0.1293 | 32.7255 | 0.3367 |

TABLE A-37

ANGLE=37.12  
 YC=1.2675 CM  
 CS=0.392

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 3.3000 | 9.2000  | 0.3587 | 0.0000  | 0.9150 |
| 0.0000  | 2.2000 | 9.2000  | 0.2391 | 0.0000  | 0.6100 |
| 1.7145  | 4.2000 | 11.1000 | 0.3784 | 1.3527  | 0.9653 |
| 1.7145  | 4.3200 | 11.6000 | 0.3724 | 1.3527  | 0.9500 |
| 3.7084  | 4.3000 | 11.1000 | 0.3874 | 2.9259  | 0.9882 |
| 3.7084  | 4.4000 | 11.2000 | 0.3929 | 2.9259  | 1.0022 |
| 5.5880  | 4.3200 | 11.3000 | 0.3823 | 4.4088  | 0.9753 |
| 5.5880  | 4.4500 | 11.5000 | 0.3870 | 4.4088  | 0.9871 |
| 9.5250  | 3.8000 | 10.5000 | 0.3619 | 7.5150  | 0.9232 |
| 9.5250  | 4.2500 | 11.5000 | 0.3696 | 7.5150  | 0.9428 |
| 13.4874 | 3.6500 | 11.2000 | 0.3259 | 10.6413 | 0.8314 |
| 13.4874 | 3.6500 | 11.2000 | 0.3259 | 10.6413 | 0.8314 |
| 17.6022 | 3.0000 | 11.3000 | 0.2655 | 13.8878 | 0.6773 |
| 17.6022 | 3.0500 | 11.3000 | 0.2699 | 13.8878 | 0.6885 |
| 23.6728 | 2.3000 | 11.3000 | 0.2035 | 18.6774 | 0.5192 |
| 23.6728 | 2.2700 | 11.2500 | 0.2018 | 18.6774 | 0.5147 |
| 29.7180 | 1.8000 | 11.4000 | 0.1579 | 23.4469 | 0.4028 |
| 29.7180 | 1.8000 | 10.8500 | 0.1659 | 23.4469 | 0.4232 |
| 35.6362 | 1.6000 | 10.8000 | 0.1481 | 28.1162 | 0.3779 |
| 35.6362 | 1.6000 | 10.7500 | 0.1488 | 28.1162 | 0.3797 |
| 41.4782 | 1.5000 | 11.5000 | 0.1304 | 32.7255 | 0.3327 |
| 41.4782 | 1.4300 | 11.0500 | 0.1294 | 32.7255 | 0.3301 |

TABLE A-38

ANGLE=53.92  
 YC=0.3277 CM  
 CS=0.813

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 8.1500 | 9.7500  | 0.8359 | 0.0000  | 1.0282 |
| 0.0000  | 9.4000 | 11.8000 | 0.7966 | 0.0000  | 0.9798 |
| 0.0000  | 9.5000 | 11.8000 | 0.8051 | 0.0000  | 0.9903 |
| 0.8763  | 9.7500 | 12.3000 | 0.7927 | 2.6744  | 0.9750 |
| 0.8763  | 9.7000 | 11.7000 | 0.8291 | 2.6744  | 1.0198 |
| 2.9464  | 9.4000 | 12.8000 | 0.7344 | 8.9922  | 0.9033 |
| 2.9464  | 8.4500 | 11.0000 | 0.7682 | 8.9922  | 0.9449 |
| 5.2070  | 8.2500 | 12.0000 | 0.6875 | 15.8915 | 0.8456 |
| 5.2070  | 8.2000 | 12.0000 | 0.6833 | 15.8915 | 0.8405 |
| 8.1280  | 5.4000 | 9.8000  | 0.5510 | 24.8062 | 0.6778 |
| 8.1280  | 6.7000 | 12.3000 | 0.5447 | 24.8062 | 0.6700 |
| 11.1252 | 4.8000 | 11.2000 | 0.4286 | 33.9535 | 0.5271 |
| 11.1252 | 4.9000 | 11.5000 | 0.4261 | 33.9535 | 0.5241 |
| 15.2654 | 4.2500 | 11.9000 | 0.3571 | 46.5891 | 0.4393 |
| 15.2654 | 3.3000 | 9.0000  | 0.3667 | 46.5891 | 0.4510 |
| 19.2532 | 3.7000 | 12.0000 | 0.3083 | 58.7597 | 0.3793 |
| 19.2532 | 3.7000 | 12.1000 | 0.3058 | 58.7597 | 0.3761 |
| 25.0952 | 3.1000 | 12.4000 | 0.2500 | 76.5891 | 0.3075 |
| 25.0952 | 3.0500 | 12.3000 | 0.2480 | 76.5891 | 0.3050 |
| 30.9880 | 2.6000 | 12.1000 | 0.2149 | 94.5736 | 0.2643 |
| 30.9880 | 2.5000 | 12.0000 | 0.2083 | 94.5736 | 0.2563 |

TABLE A-39

ANGLE=53.92  
 YC=0.3277 CM  
 CS=0.763

| X(CM)   | P=ACT  | P=AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 7.1000 | 8.8000  | 0.8068 | 0.0000  | 1.0574 |
| 0.0000  | 7.8500 | 9.8000  | 0.8010 | 0.0000  | 1.0498 |
| 0.0000  | 9.3500 | 12.3000 | 0.7602 | 0.0000  | 0.9963 |
| 0.0000  | 9.1000 | 12.2000 | 0.7459 | 0.0000  | 0.9776 |
| 0.8763  | 9.5000 | 12.6000 | 0.7540 | 2.6744  | 0.9882 |
| 0.8763  | 8.2000 | 11.0000 | 0.7455 | 2.6744  | 0.9770 |
| 2.9464  | 9.1000 | 12.1000 | 0.7521 | 8.9922  | 0.9857 |
| 2.9464  | 9.2000 | 12.2000 | 0.7541 | 8.9922  | 0.9883 |
| 5.2070  | 8.3000 | 12.4000 | 0.6694 | 15.8915 | 0.8773 |
| 5.2070  | 5.6000 | 8.3000  | 0.6747 | 15.8915 | 0.8843 |
| 8.1280  | 6.6000 | 12.8000 | 0.5156 | 24.8062 | 0.6758 |
| 8.1280  | 5.9500 | 10.9500 | 0.5434 | 24.8062 | 0.7122 |
| 8.1280  | 5.9500 | 11.1500 | 0.5336 | 24.8062 | 0.6994 |
| 11.1252 | 5.1000 | 12.1000 | 0.4215 | 33.9535 | 0.5524 |
| 11.1252 | 5.3000 | 12.7000 | 0.4173 | 33.9535 | 0.5469 |
| 15.2654 | 3.8000 | 10.5000 | 0.3619 | 46.5891 | 0.4743 |
| 15.2654 | 4.0000 | 12.2500 | 0.3265 | 46.5891 | 0.4280 |
| 19.2532 | 3.5000 | 12.5000 | 0.2800 | 58.7597 | 0.3670 |
| 19.2532 | 2.9000 | 10.1500 | 0.2857 | 58.7597 | 0.3745 |
| 19.2532 | 2.9500 | 10.8000 | 0.2731 | 58.7597 | 0.3580 |
| 25.0952 | 3.0500 | 12.6000 | 0.2421 | 76.5891 | 0.3173 |
| 25.0952 | 3.0000 | 12.5500 | 0.2390 | 76.5891 | 0.3133 |
| 30.9880 | 2.5000 | 12.2000 | 0.2049 | 94.5736 | 0.2686 |
| 30.9880 | 2.1000 | 10.7000 | 0.1963 | 94.5736 | 0.2572 |

TABLE A-40

YC=0.6350 CM

CS=0.493

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 8.2500 | 17.0300 | 0.4844 | 0.0000  | 0.9826 |
| 0.0000  | 7.4000 | 15.1800 | 0.4875 | 0.0000  | 0.9888 |
| 0.2540  | 5.6500 | 11.7000 | 0.4829 | 0.4000  | 0.9795 |
| 0.2540  | 5.2000 | 10.7500 | 0.4837 | 0.4000  | 0.9812 |
| 1.1303  | 5.3000 | 11.1000 | 0.4775 | 1.7800  | 0.9685 |
| 1.1303  | 5.4800 | 11.5000 | 0.4765 | 1.7800  | 0.9666 |
| 3.2004  | 5.7000 | 11.4500 | 0.4978 | 5.0400  | 1.0098 |
| 3.2004  | 4.9000 | 9.9000  | 0.4949 | 5.0400  | 1.0040 |
| 5.4610  | 5.5000 | 11.1700 | 0.4924 | 8.6000  | 0.9988 |
| 5.4610  | 5.2900 | 10.7100 | 0.4939 | 8.6000  | 1.0019 |
| 8.3820  | 3.7500 | 9.9000  | 0.3788 | 13.2000 | 0.7683 |
| 8.3820  | 4.5000 | 11.0000 | 0.4091 | 13.2000 | 0.8298 |
| 11.3792 | 3.4100 | 10.3200 | 0.3304 | 17.9200 | 0.6702 |
| 11.3792 | 3.0000 | 9.3300  | 0.3215 | 17.9200 | 0.6522 |
| 15.5194 | 3.3000 | 12.6000 | 0.2619 | 24.4400 | 0.5312 |
| 15.5194 | 3.1000 | 11.8800 | 0.2609 | 24.4400 | 0.5293 |
| 19.5072 | 2.4500 | 11.4500 | 0.2140 | 30.7200 | 0.4340 |
| 19.5072 | 2.7000 | 12.4500 | 0.2169 | 30.7200 | 0.4399 |
| 25.3492 | 2.0000 | 11.8500 | 0.1688 | 39.9200 | 0.3423 |
| 25.3492 | 1.9800 | 11.9300 | 0.1660 | 39.9200 | 0.3366 |
| 31.2420 | 1.5000 | 11.1800 | 0.1342 | 49.2000 | 0.2721 |
| 31.2420 | 1.4000 | 11.1000 | 0.1261 | 49.2000 | 0.2558 |

TABLE A-41

ANGLE=53.92

YC=0.6350 CM

CS=0.470

| X(CM)   | P=ACT  | P=AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 2.8000 | 5.5000  | 0.5091 | 0.0000  | 1.0832 |
| 0.0000  | 4.9000 | 9.8500  | 0.4975 | 0.0000  | 1.0584 |
| 0.0000  | 4.0000 | 8.1000  | 0.4938 | 0.0000  | 1.0507 |
| 0.2540  | 4.5000 | 9.4800  | 0.4747 | 0.4000  | 1.0100 |
| 0.2540  | 3.8500 | 8.3000  | 0.4639 | 0.4000  | 0.9869 |
| 1.1303  | 4.0000 | 11.0000 | 0.3636 | 1.7800  | 0.7737 |
| 1.1303  | 3.6000 | 10.6000 | 0.3396 | 1.7800  | 0.7226 |
| 3.2004  | 4.5000 | 10.6000 | 0.4245 | 5.0400  | 0.9033 |
| 3.2004  | 3.5500 | 9.5000  | 0.3737 | 5.0400  | 0.7951 |
| 3.2004  | 4.1000 | 9.3000  | 0.4409 | 5.0400  | 0.9380 |
| 5.4610  | 4.8500 | 12.5000 | 0.3880 | 8.6000  | 0.8255 |
| 5.4610  | 5.1000 | 11.1000 | 0.4595 | 8.6000  | 0.9776 |
| 8.3820  | 3.1000 | 8.4000  | 0.3690 | 13.2000 | 0.7852 |
| 8.3820  | 3.0000 | 8.8000  | 0.3409 | 13.2000 | 0.7253 |
| 11.3792 | 3.1800 | 11.1000 | 0.2865 | 17.9200 | 0.6095 |
| 11.3792 | 2.9000 | 9.5000  | 0.3053 | 17.9200 | 0.6495 |
| 15.5194 | 2.2800 | 9.7500  | 0.2338 | 24.4400 | 0.4975 |
| 15.5194 | 1.6000 | 6.9500  | 0.2302 | 24.4400 | 0.4898 |
| 19.5072 | 1.7000 | 7.1500  | 0.2378 | 30.7200 | 0.5059 |
| 19.5072 | 1.5000 | 7.7000  | 0.1948 | 30.7200 | 0.4145 |
| 19.5072 | 1.6000 | 9.6000  | 0.1667 | 30.7200 | 0.3546 |
| 25.3492 | 1.6500 | 10.3000 | 0.1602 | 39.9200 | 0.3408 |
| 25.3492 | 1.4000 | 10.0000 | 0.1400 | 39.9200 | 0.2979 |
| 25.3492 | 0.9900 | 7.0000  | 0.1414 | 39.9200 | 0.3009 |
| 31.2420 | 1.1000 | 10.1000 | 0.1089 | 49.2000 | 0.2317 |
| 31.2420 | 1.2500 | 10.9500 | 0.1142 | 49.2000 | 0.2429 |



TABLE A-42

ANGLE=53.92  
 YC=1.2675 CM  
 CS=0.334

| X(CM)   | P=ACT  | P=AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 2.1500 | 6.5500  | 0.3282 | 0.0000  | 0.9828 |
| 0.0000  | 5.4500 | 15.7000 | 0.3471 | 0.0000  | 1.0393 |
| 0.6604  | 4.3000 | 13.0000 | 0.3308 | 0.5210  | 0.9903 |
| 0.6604  | 3.9000 | 11.0500 | 0.3529 | 0.5210  | 1.0567 |
| 0.6604  | 3.0300 | 10.6000 | 0.2858 | 0.5210  | 0.8558 |
| 0.6604  | 4.2900 | 13.7000 | 0.3131 | 0.5210  | 0.9375 |
| 3.6068  | 3.8000 | 12.3000 | 0.3089 | 2.8457  | 0.9250 |
| 5.8674  | 3.6000 | 13.5000 | 0.2667 | 4.6293  | 0.7984 |
| 8.5344  | 2.3000 | 9.5000  | 0.2421 | 6.7335  | 0.7249 |
| 11.7856 | 2.1200 | 7.2500  | 0.2924 | 9.2986  | 0.8755 |
| 15.9258 | 2.8000 | 12.8000 | 0.2188 | 12.5651 | 0.6549 |
| 19.9136 | 2.3000 | 12.5000 | 0.1840 | 15.7114 | 0.5509 |
| 25.7556 | 1.8000 | 13.1000 | 0.1374 | 20.3206 | 0.4114 |
| 31.6484 | 1.5000 | 12.5000 | 0.1200 | 24.9699 | 0.3593 |

TABLE A-43

ANGLE=53.92  
 YC=1.2675 CM  
 CS=0.358

| X(CM)   | P=ACT  | P=AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 3.5500 | 9.6000  | 0.3698 | 0.0000  | 1.0329 |
| 0.0000  | 3.1500 | 8.6000  | 0.3663 | 0.0000  | 1.0231 |
| 0.0000  | 2.3500 | 6.4000  | 0.3672 | 0.0000  | 1.0257 |
| 0.6604  | 4.8000 | 13.3800 | 0.3587 | 0.5210  | 1.0021 |
| 0.6604  | 4.4000 | 12.3000 | 0.3577 | 0.5210  | 0.9992 |
| 1.5367  | 4.4500 | 12.6000 | 0.3532 | 1.2124  | 0.9865 |
| 1.5367  | 4.4500 | 12.5000 | 0.3560 | 1.2124  | 0.9944 |
| 3.6068  | 4.5500 | 12.8500 | 0.3541 | 2.8457  | 0.9891 |
| 3.6068  | 4.4200 | 12.8500 | 0.3440 | 2.8457  | 0.9608 |
| 5.8674  | 3.6000 | 9.9000  | 0.3636 | 4.6293  | 1.0157 |
| 5.8674  | 4.3000 | 12.5000 | 0.3440 | 4.6293  | 0.9609 |
| 8.5344  | 3.9000 | 12.4000 | 0.3145 | 6.7335  | 0.8785 |
| 8.5344  | 4.0500 | 12.5500 | 0.3227 | 6.7335  | 0.9014 |
| 11.7856 | 3.5500 | 12.9500 | 0.2741 | 9.2986  | 0.7657 |
| 11.7856 | 3.0000 | 11.6000 | 0.2586 | 9.2986  | 0.7224 |
| 15.9258 | 2.9300 | 13.0700 | 0.2242 | 12.5651 | 0.6262 |
| 15.9258 | 2.8300 | 12.6000 | 0.2246 | 12.5651 | 0.6274 |
| 19.9136 | 2.4000 | 12.7000 | 0.1890 | 15.7114 | 0.5279 |
| 19.9136 | 2.5000 | 13.2000 | 0.1894 | 15.7114 | 0.5290 |
| 25.7556 | 1.9000 | 13.0000 | 0.1462 | 20.3206 | 0.4083 |
| 25.7556 | 1.9000 | 13.0000 | 0.1462 | 20.3206 | 0.4083 |
| 31.6484 | 1.7000 | 13.2000 | 0.1288 | 24.9699 | 0.3597 |
| 31.6484 | 1.6000 | 12.8000 | 0.1250 | 24.9699 | 0.3492 |

TABLE A-44

ANGLE=53.92  
 YC=1.2675 CM  
 CS=0.359

| X(CM)   | P=ACT  | P=AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 4.6000 | 12.9000 | 0.3566 | 0.0000  | 0.9933 |
| 0.0000  | 3.1000 | 8.9500  | 0.3464 | 0.0000  | 0.9648 |
| 0.6604  | 4.8000 | 12.7000 | 0.3780 | 0.5210  | 1.0528 |
| 0.6604  | 4.2000 | 11.9000 | 0.3529 | 0.5210  | 0.9831 |
| 1.5367  | 4.6000 | 13.2500 | 0.3472 | 1.2124  | 0.9670 |
| 1.5367  | 4.6000 | 13.0000 | 0.3538 | 1.2124  | 0.9856 |
| 3.6068  | 4.6500 | 12.9000 | 0.3605 | 2.8457  | 1.0041 |
| 3.6068  | 3.1000 | 8.9000  | 0.3483 | 2.8457  | 0.9702 |
| 5.8674  | 4.1000 | 11.6000 | 0.3534 | 4.6293  | 0.9845 |
| 5.8674  | 3.5500 | 9.6000  | 0.3698 | 4.6293  | 1.0301 |
| 8.5344  | 4.0000 | 12.5000 | 0.3200 | 6.7335  | 0.8914 |
| 8.5344  | 4.0500 | 12.5500 | 0.3227 | 6.7335  | 0.8989 |
| 11.7856 | 3.5500 | 12.7800 | 0.2778 | 9.2986  | 0.7738 |
| 11.7856 | 3.4000 | 12.4000 | 0.2742 | 9.2986  | 0.7638 |
| 11.7856 | 3.4000 | 12.5000 | 0.2720 | 9.2986  | 0.7577 |
| 15.9258 | 2.4000 | 10.8000 | 0.2222 | 12.5651 | 0.6190 |
| 15.9258 | 2.7500 | 12.5000 | 0.2200 | 12.5651 | 0.6128 |
| 15.9258 | 2.6500 | 12.4000 | 0.2137 | 12.5651 | 0.5953 |
| 25.7556 | 1.6000 | 10.9000 | 0.1468 | 20.3206 | 0.4089 |
| 25.7556 | 1.7000 | 12.0500 | 0.1411 | 20.3206 | 0.3930 |
| 25.7556 | 1.6500 | 11.9000 | 0.1387 | 20.3206 | 0.3862 |
| 31.6484 | 1.3300 | 10.5000 | 0.1267 | 24.9699 | 0.3528 |
| 31.6484 | 1.6000 | 12.6000 | 0.1270 | 24.9699 | 0.3537 |

TABLE A-45

ANGLE=70.08  
 YC=0.3302 CM  
 CS=0.855

| X(CM)   | P-ACT   | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|---------|---------|--------|---------|--------|
| 0.0000  | 10.8000 | 12.4200 | 0.8696 | 0.0000  | 1.0170 |
| 0.0000  | 9.6500  | 11.5500 | 0.8355 | 0.0000  | 0.9772 |
| 0.0000  | 9.9500  | 11.7500 | 0.8468 | 0.0000  | 0.9904 |
| 1.0008  | 9.2650  | 10.9000 | 0.8500 | 3.0308  | 1.0172 |
| 1.0008  | 9.2657  | 10.8500 | 0.8540 | 3.0308  | 1.0025 |
| 2.9972  | 8.5500  | 10.6000 | 0.8066 | 9.0769  | 0.9434 |
| 2.9972  | 9.0000  | 11.5500 | 0.7792 | 9.0769  | 0.9114 |
| 5.0038  | 7.4077  | 11.4000 | 0.6498 | 15.1538 | 0.7600 |
| 5.0038  | 7.4360  | 11.1500 | 0.6669 | 15.1538 | 0.7800 |
| 8.0010  | 5.9240  | 11.0000 | 0.5386 | 24.2308 | 0.6300 |
| 8.0010  | 5.8280  | 10.9800 | 0.5301 | 24.2308 | 0.6202 |
| 15.0114 | 3.9910  | 11.2500 | 0.3548 | 45.4615 | 0.4150 |
| 15.0114 | 3.9780  | 10.9500 | 0.3633 | 45.4615 | 0.4250 |
| 18.9992 | 3.5730  | 11.0000 | 0.3249 | 57.5385 | 0.3800 |
| 18.9992 | 3.5750  | 11.3000 | 0.3164 | 57.5385 | 0.3700 |
| 18.9992 | 3.3809  | 11.3000 | 0.2992 | 57.5385 | 0.3500 |
| 24.0030 | 2.9370  | 11.4500 | 0.2565 | 72.6923 | 0.3000 |
| 24.0030 | 3.0650  | 11.9500 | 0.2565 | 72.6923 | 0.3000 |
| 29.9974 | 2.6290  | 11.8300 | 0.2223 | 90.8462 | 0.2600 |
| 29.9974 | 2.5615  | 11.7500 | 0.2180 | 90.8462 | 0.2550 |

TABLE A-46

ANGLE=70.08  
 YC=0.3302 CM  
 CS=0.860

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 9.3000 | 10.9000 | 0.8532 | 0.0000  | 0.9921 |
| 0.0000  | 9.2500 | 10.8000 | 0.8565 | 0.0000  | 0.9959 |
| 1.0008  | 9.3500 | 10.9000 | 0.8578 | 3.0308  | 0.9974 |
| 1.0008  | 9.2000 | 10.7500 | 0.8558 | 3.0308  | 0.9951 |
| 2.9972  | 7.0500 | 8.8500  | 0.7966 | 9.0769  | 0.9263 |
| 2.9972  | 8.1000 | 10.2000 | 0.7941 | 9.0769  | 0.9234 |
| 5.0038  | 7.9489 | 11.8500 | 0.6708 | 15.1538 | 0.7800 |
| 5.0038  | 6.8206 | 10.3000 | 0.6622 | 15.1538 | 0.7700 |
| 5.0038  | 7.2885 | 11.3000 | 0.6450 | 15.1538 | 0.7500 |
| 8.0010  | 5.9443 | 10.8000 | 0.5504 | 24.2308 | 0.640  |
| 8.0010  | 5.7312 | 10.7500 | 0.5332 | 24.2308 | 0.6200 |
| 10.9982 | 5.2941 | 11.0900 | 0.4644 | 33.3077 | 0.5400 |
| 10.9982 | 5.2941 | 11.4000 | 0.4644 | 33.3077 | 0.5400 |
| 15.0114 | 3.9839 | 10.8500 | 0.3655 | 45.4615 | 0.4250 |
| 15.0114 | 3.9190 | 10.8500 | 0.3612 | 45.4615 | 0.4200 |
| 18.9992 | 3.9599 | 11.8800 | 0.3311 | 57.5385 | 0.3850 |
| 18.9992 | 3.9240 | 11.7000 | 0.3354 | 57.5385 | 0.3900 |
| 24.0030 | 3.1501 | 11.1000 | 0.2838 | 72.6923 | 0.3300 |
| 24.0030 | 2.8070 | 10.2000 | 0.2752 | 72.6923 | 0.3200 |
| 24.0030 | 2.6393 | 9.9000  | 0.2666 | 72.6923 | 0.3100 |
| 29.9974 | 2.5765 | 10.7000 | 0.2408 | 90.8462 | 0.2800 |
| 29.9974 | 2.6384 | 11.8000 | 0.2236 | 90.8462 | 0.2600 |

TABLE A-47

ANGLE=70.08  
 YC=0.6350 CM  
 CS=0.542

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.3048  | 5.7500 | 10.8000 | 0.5324 | 0.4800  | 0.9823 |
| 0.3048  | 5.9900 | 11.0000 | 0.5445 | 0.4800  | 1.0047 |
| 1.3056  | 5.8500 | 11.0000 | 0.5318 | 2.0560  | 0.9812 |
| 1.3056  | 5.9500 | 11.3000 | 0.5265 | 2.0560  | 0.9715 |
| 3.3020  | 6.0000 | 11.3500 | 0.5286 | 5.2000  | 0.9753 |
| 3.3020  | 6.2000 | 11.5500 | 0.5368 | 5.2000  | 0.9904 |
| 5.3086  | 5.4000 | 10.6000 | 0.5094 | 8.3600  | 0.9399 |
| 5.3086  | 5.7500 | 11.5300 | 0.4987 | 8.3600  | 0.9201 |
| 8.3058  | 4.4500 | 11.3500 | 0.3921 | 13.0800 | 0.7234 |
| 8.3058  | 4.5000 | 11.6500 | 0.3863 | 13.0800 | 0.7127 |
| 11.3030 | 3.2800 | 11.3800 | 0.2882 | 17.8000 | 0.5318 |
| 11.3030 | 2.6500 | 8.7800  | 0.3018 | 17.8000 | 0.5569 |
| 19.3040 | 2.4500 | 10.8800 | 0.2252 | 30.4000 | 0.4155 |
| 19.3040 | 2.6000 | 11.6500 | 0.2232 | 30.4000 | 0.4118 |
| 24.3078 | 2.1000 | 11.7000 | 0.1795 | 38.2800 | 0.3312 |
| 24.3078 | 1.8800 | 11.5000 | 0.1635 | 38.2800 | 0.3016 |
| 30.3022 | 1.5500 | 11.1000 | 0.1396 | 47.7200 | 0.2576 |
| 30.3022 | 1.5700 | 11.2000 | 0.1402 | 47.7200 | 0.2586 |

TABLE A-48

ANGLE=70.08  
 YC=0.6350 CM  
 CS=0.542

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.3048  | 5.1800 | 9.7000  | 0.5340 | 0.4800  | 0.9853 |
| 0.3048  | 6.3500 | 11.7500 | 0.5404 | 0.4800  | 0.9971 |
| 1.3056  | 6.2500 | 11.5800 | 0.5397 | 2.0560  | 0.9958 |
| 1.3056  | 6.2000 | 11.6000 | 0.5345 | 2.0560  | 0.9861 |
| 3.3020  | 6.1000 | 11.7000 | 0.5214 | 5.2000  | 0.9619 |
| 3.3020  | 5.9500 | 11.1000 | 0.5360 | 5.2000  | 0.9890 |
| 5.3086  | 5.9000 | 11.6500 | 0.5064 | 8.3600  | 0.9344 |
| 5.3086  | 5.6500 | 11.2500 | 0.5022 | 8.3600  | 0.9266 |
| 8.3058  | 3.8000 | 11.1500 | 0.3408 | 13.0800 | 0.6288 |
| 8.3058  | 4.4000 | 11.4000 | 0.3860 | 13.0800 | 0.7121 |
| 8.3058  | 4.1000 | 11.1000 | 0.3694 | 13.0800 | 0.6815 |
| 11.3030 | 3.2800 | 11.7000 | 0.2803 | 17.8000 | 0.5172 |
| 11.3030 | 3.3800 | 12.3000 | 0.2748 | 17.8000 | 0.5070 |
| 15.3162 | 2.5000 | 11.7200 | 0.2133 | 24.1200 | 0.3936 |
| 15.3162 | 2.3000 | 10.6000 | 0.2170 | 24.1200 | 0.4003 |
| 19.3040 | 2.0000 | 11.5000 | 0.1739 | 30.4000 | 0.3209 |
| 19.3040 | 2.2000 | 12.1700 | 0.1808 | 30.4000 | 0.3335 |
| 24.3078 | 1.7000 | 11.0000 | 0.1545 | 38.2800 | 0.2851 |
| 24.3078 | 1.5000 | 10.6800 | 0.1404 | 38.2800 | 0.2591 |
| 30.3022 | 1.4800 | 11.2000 | 0.1321 | 47.7200 | 0.2438 |
| 30.3022 | 1.6000 | 11.7000 | 0.1368 | 47.7200 | 0.2523 |

TABLE A-49

ANGLE=70.08  
 YC=1.2649 CM  
 CS=0.414

| X(CM)   | P=ACT  | P=AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.5715  | 3.6500 | 9.4000  | 0.3883 | 0.4518  | 0.9379 |
| 0.5715  | 3.7500 | 10.0500 | 0.3731 | 0.4518  | 0.9013 |
| 1.5723  | 4.6200 | 11.6500 | 0.3966 | 1.2430  | 0.9579 |
| 1.5723  | 4.4000 | 11.6000 | 0.3793 | 1.2430  | 0.9162 |
| 3.5814  | 4.7000 | 11.5000 | 0.4087 | 2.8313  | 0.9872 |
| 3.5814  | 4.8200 | 11.8800 | 0.4057 | 2.8313  | 0.9800 |
| 5.5626  | 5.2500 | 12.1000 | 0.4339 | 4.3976  | 1.0480 |
| 5.5626  | 4.8500 | 11.7500 | 0.4128 | 4.3976  | 0.9970 |
| 8.5598  | 4.2500 | 11.5000 | 0.3696 | 6.7671  | 0.8927 |
| 8.5598  | 4.0000 | 10.9800 | 0.3643 | 6.7671  | 0.8799 |
| 11.5824 | 3.7000 | 11.7000 | 0.3162 | 9.1566  | 0.7639 |
| 11.5824 | 3.5500 | 11.9800 | 0.2963 | 9.1566  | 0.7158 |
| 11.5824 | 3.7000 | 11.6500 | 0.3176 | 9.1566  | 0.7671 |
| 15.5702 | 2.5000 | 11.5000 | 0.2174 | 12.3092 | 0.5251 |
| 15.5702 | 2.6000 | 11.8000 | 0.2203 | 12.3092 | 0.5322 |
| 19.5834 | 2.0000 | 11.2500 | 0.1778 | 15.4819 | 0.4294 |
| 19.5834 | 2.0000 | 11.2000 | 0.1786 | 15.4819 | 0.4313 |
| 24.5618 | 1.7500 | 11.1500 | 0.1570 | 19.4177 | 0.3791 |
| 24.5618 | 1.7500 | 11.1500 | 0.1570 | 19.4177 | 0.3791 |
| 30.5562 | 1.5500 | 11.7500 | 0.1319 | 24.1566 | 0.3186 |
| 30.5562 | 1.4800 | 11.8000 | 0.1254 | 24.1566 | 0.3030 |



TABLE A-50

ANGLE=70.08  
 YC=1.2649 CM  
 CS=0.370

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.5715  | 4.2800 | 11.6500 | 0.3674 | 0.4518  | 0.9929 |
| 0.5715  | 4.1000 | 11.3500 | 0.3612 | 0.4518  | 0.9763 |
| 1.5723  | 4.4000 | 11.9500 | 0.3682 | 1.2430  | 0.9951 |
| 1.5723  | 3.7500 | 10.1500 | 0.3695 | 1.2430  | 0.9985 |
| 3.5814  | 3.5000 | 10.5000 | 0.3333 | 2.8313  | 0.9009 |
| 3.5814  | 3.8000 | 10.8800 | 0.3493 | 2.8313  | 0.9440 |
| 5.5626  | 4.2700 | 11.7500 | 0.3634 | 4.3976  | 0.9822 |
| 5.5626  | 3.8000 | 10.5000 | 0.3619 | 4.3976  | 0.9781 |
| 8.5598  | 3.7000 | 10.9000 | 0.3394 | 6.7671  | 0.9174 |
| 8.5598  | 3.8000 | 11.1000 | 0.3423 | 6.7671  | 0.9252 |
| 11.5824 | 3.5000 | 11.6500 | 0.3004 | 9.1566  | 0.8120 |
| 11.5824 | 3.3000 | 11.3000 | 0.2920 | 9.1566  | 0.7893 |
| 15.5702 | 2.3500 | 10.6500 | 0.2207 | 12.3092 | 0.5964 |
| 15.5702 | 2.4000 | 10.8000 | 0.2222 | 12.3092 | 0.6006 |
| 19.5834 | 1.9800 | 11.9000 | 0.1664 | 15.4819 | 0.4497 |
| 19.5834 | 1.6000 | 10.8000 | 0.1481 | 15.4819 | 0.4004 |
| 24.5618 | 1.7000 | 11.9500 | 0.1423 | 19.4177 | 0.3845 |
| 24.5618 | 1.4800 | 10.7000 | 0.1383 | 19.4177 | 0.3738 |
| 30.5562 | 1.3000 | 11.4000 | 0.1140 | 24.1566 | 0.3082 |
| 30.5562 | 1.4000 | 12.7500 | 0.1098 | 24.1566 | 0.2968 |

TABLE A-51

ANGLE=90.00

YC=0.3251 CM

CS=2.025

| X(CM)   | P-ACT   | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|---------|---------|--------|---------|--------|
| 0.0000  | 18.5500 | 8.8500  | 2.0960 | 0.0000  | 1.0351 |
| 0.0000  | 13.1500 | 6.5000  | 2.0231 | 0.0000  | 0.9991 |
| 0.0000  | 15.1000 | 7.2000  | 2.0972 | 0.0000  | 1.0357 |
| 0.0000  | 20.2500 | 10.3000 | 1.9660 | 0.0000  | 0.9709 |
| 1.0000  | 13.5000 | 6.7000  | 2.0149 | 3.0758  | 0.9950 |
| 1.0000  | 20.9000 | 10.6000 | 1.9717 | 3.0758  | 0.9737 |
| 1.0000  | 16.3500 | 7.9000  | 2.0696 | 3.0758  | 1.0220 |
| 1.0000  | 16.1500 | 7.9500  | 2.0314 | 3.0758  | 1.0032 |
| 1.8700  | 18.7000 | 9.8000  | 1.9082 | 5.7517  | 0.9423 |
| 1.8700  | 12.8000 | 6.2000  | 2.0645 | 5.7517  | 1.0195 |
| 1.8700  | 13.9000 | 7.2000  | 1.9306 | 5.7517  | 0.9534 |
| 3.0000  | 11.8000 | 9.1500  | 1.2896 | 9.2274  | 0.6368 |
| 3.0000  | 12.9000 | 10.2000 | 1.2647 | 9.2274  | 0.6245 |
| 3.0000  | 16.0000 | 12.6500 | 1.2648 | 9.2274  | 0.6246 |
| 4.9000  | 20.0500 | 13.8000 | 1.4529 | 15.0714 | 0.7175 |
| 4.9000  | 20.5000 | 13.7000 | 1.4964 | 15.0714 | 0.7389 |
| 4.9000  | 19.9000 | 13.4000 | 1.4851 | 15.0714 | 0.7334 |
| 6.9000  | 17.4500 | 13.4000 | 1.3022 | 21.2229 | 0.6431 |
| 6.9000  | 15.8500 | 12.3000 | 1.2886 | 21.2229 | 0.6364 |
| 6.9000  | 15.0000 | 11.6500 | 1.2876 | 21.2229 | 0.6358 |
| 8.9000  | 12.0000 | 11.5000 | 1.0435 | 27.3745 | 0.5153 |
| 8.9000  | 11.8000 | 11.3500 | 1.0396 | 27.3745 | 0.5134 |
| 8.9000  | 11.7500 | 11.4000 | 1.0307 | 27.3745 | 0.5090 |
| 11.9000 | 9.9000  | 11.3000 | 0.8761 | 36.6019 | 0.4326 |
| 11.9000 | 10.0500 | 11.7500 | 0.8553 | 36.6019 | 0.4224 |
| 11.9000 | 10.7000 | 11.9600 | 0.8946 | 36.6019 | 0.4418 |
| 14.9500 | 8.3000  | 11.0000 | 0.7545 | 45.9830 | 0.3726 |
| 14.9500 | 8.0500  | 10.6000 | 0.7594 | 45.9830 | 0.3750 |
| 14.9500 | 8.0000  | 10.5000 | 0.7619 | 45.9830 | 0.3762 |
| 22.3000 | 7.0500  | 12.0500 | 0.5851 | 68.5901 | 0.2889 |
| 22.3000 | 6.9500  | 11.6000 | 0.5991 | 68.5901 | 0.2959 |
| 22.3000 | 7.4000  | 12.1000 | 0.6116 | 68.5901 | 0.3020 |

TABLE A-52

ANGLE=90.00

YC=0.3251 CM

CS=1.600

| X(CM)   | P-ACT   | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|---------|---------|--------|---------|--------|
| 0.0000  | 12.9000 | 8.3500  | 1.5449 | 0.0000  | 0.9656 |
| 0.0000  | 14.5000 | 9.3500  | 1.5508 | 0.0000  | 0.9693 |
| 0.0000  | 10.7000 | 6.7500  | 1.5852 | 0.0000  | 0.9907 |
| 0.0000  | 13.4000 | 9.0000  | 1.4889 | 0.0000  | 0.9306 |
| 1.0000  | 20.1000 | 12.6500 | 1.5889 | 3.0758  | 0.9931 |
| 1.0000  | 15.3000 | 9.5000  | 1.6105 | 3.0758  | 1.0066 |
| 1.0000  | 18.8000 | 11.7000 | 1.6068 | 3.0758  | 1.0043 |
| 1.0000  | 18.7000 | 11.8000 | 1.5847 | 3.0758  | 0.9905 |
| 1.0000  | 21.5500 | 14.3000 | 1.5070 | 3.0758  | 0.9419 |
| 1.0000  | 19.6000 | 12.9000 | 1.5194 | 3.0758  | 0.9496 |
| 1.0000  | 10.4500 | 6.5000  | 1.6077 | 3.0758  | 1.0048 |
| 1.0000  | 20.0500 | 12.6500 | 1.5850 | 3.0758  | 0.9906 |
| 1.8700  | 20.3000 | 13.4000 | 1.5149 | 5.7517  | 0.9468 |
| 1.8700  | 15.5000 | 9.8000  | 1.5816 | 5.7517  | 0.9885 |
| 1.8700  | 19.9000 | 12.4000 | 1.6048 | 5.7517  | 1.0030 |
| 1.8700  | 18.7000 | 11.5500 | 1.6190 | 5.7517  | 1.0119 |
| 1.8700  | 12.6000 | 8.0000  | 1.5750 | 5.7517  | 0.9844 |
| 4.9000  | 17.4000 | 13.9000 | 1.2518 | 15.0714 | 0.7824 |
| 4.9000  | 14.2000 | 11.0000 | 1.2909 | 15.0714 | 0.8068 |
| 4.9000  | 18.7500 | 14.4000 | 1.3021 | 15.0714 | 0.8138 |
| 6.9000  | 18.2000 | 17.1500 | 1.0612 | 21.2229 | 0.6633 |
| 6.9000  | 19.4000 | 17.4500 | 1.1117 | 21.2229 | 0.6948 |
| 6.9000  | 18.0000 | 16.5000 | 1.0909 | 21.2229 | 0.6818 |
| 8.9000  | 13.5000 | 14.2500 | 0.9474 | 27.3745 | 0.5921 |
| 8.9000  | 15.5500 | 17.1000 | 0.9094 | 27.3745 | 0.5683 |
| 8.9000  | 18.2500 | 19.9000 | 0.9171 | 27.3745 | 0.5732 |
| 11.9000 | 11.6500 | 14.9000 | 0.7819 | 36.6019 | 0.4887 |
| 11.9000 | 12.8000 | 19.4000 | 0.6598 | 36.6019 | 0.4124 |
| 11.9000 | 15.0000 | 19.0000 | 0.7895 | 36.6019 | 0.4934 |
| 11.9000 | 14.3000 | 18.4000 | 0.7772 | 36.6019 | 0.4857 |
| 11.9000 | 14.7000 | 19.4500 | 0.7558 | 36.6019 | 0.4724 |
| 14.9500 | 12.4000 | 18.4500 | 0.6721 | 45.9830 | 0.4201 |
| 14.9500 | 12.4000 | 18.7000 | 0.6631 | 45.9830 | 0.4144 |
| 14.9500 | 11.3000 | 17.0000 | 0.6647 | 45.9830 | 0.4154 |
| 22.3000 | 8.2500  | 16.3500 | 0.5046 | 68.5901 | 0.3154 |
| 22.3000 | 7.5500  | 15.2000 | 0.4967 | 68.5901 | 0.3104 |
| 22.3000 | 8.7500  | 17.2500 | 0.5072 | 68.5901 | 0.3170 |
| 22.3000 | 7.4000  | 14.6000 | 0.5068 | 68.5901 | 0.3168 |

TABLE A-53

ANGLE=90.00

YC=0.3226 CM

CS=1.370

| X(CM)   | P-ACT   | P-AIR   | CW     | X/YC     | CW/CS  |
|---------|---------|---------|--------|----------|--------|
| 0.0000  | 10.1000 | 7.2500  | 1.3931 | 0.0000   | 1.0169 |
| 0.0000  | 20.2500 | 15.0000 | 1.3500 | 0.0000   | 0.9854 |
| 0.0000  | 21.5000 | 15.4500 | 1.3916 | 0.0000   | 1.0158 |
| 0.0000  | 21.9000 | 15.7000 | 1.3949 | 0.0000   | 1.0182 |
| 0.0000  | 21.7500 | 16.1000 | 1.3509 | 0.0000   | 0.9861 |
| 1.0000  | 24.4500 | 17.9000 | 1.3659 | 3.1000   | 0.9970 |
| 1.0000  | 21.8000 | 16.1000 | 1.3540 | 3.1000   | 0.9883 |
| 1.0000  | 20.3000 | 14.9000 | 1.3624 | 3.1000   | 0.9945 |
| 1.8700  | 20.2500 | 15.3000 | 1.3235 | 5.7970   | 0.9661 |
| 1.8700  | 18.4500 | 13.8500 | 1.3321 | 5.7970   | 0.9724 |
| 1.8700  | 20.1000 | 15.4000 | 1.3052 | 5.7970   | 0.9527 |
| 3.0000  | 18.0500 | 14.9000 | 1.2114 | 9.3000   | 0.8842 |
| 3.0000  | 18.7500 | 15.4500 | 1.2136 | 9.3000   | 0.8858 |
| 3.0000  | 18.0500 | 14.8000 | 1.2196 | 9.3000   | 0.8902 |
| 4.9000  | 15.3000 | 14.8000 | 1.0338 | 15.1900  | 0.7546 |
| 4.9000  | 16.6500 | 16.0000 | 1.0406 | 15.1900  | 0.7596 |
| 4.9000  | 16.0500 | 15.3500 | 1.0456 | 15.1900  | 0.7632 |
| 4.9000  | 16.1500 | 15.9500 | 1.0125 | 15.1900  | 0.7391 |
| 6.9000  | 13.6000 | 15.3000 | 0.8889 | 21.3900  | 0.6488 |
| 6.9000  | 13.6000 | 15.6000 | 0.8718 | 21.3900  | 0.6363 |
| 6.9000  | 13.4000 | 15.5000 | 0.8645 | 21.3900  | 0.6310 |
| 8.9000  | 12.0000 | 15.6500 | 0.7668 | 27.5901  | 0.5597 |
| 8.9000  | 9.7500  | 12.4000 | 0.7863 | 27.5901  | 0.5739 |
| 8.9000  | 11.7000 | 15.1000 | 0.7748 | 27.5901  | 0.5656 |
| 8.9000  | 12.2000 | 16.1000 | 0.7578 | 27.5901  | 0.5531 |
| 11.9000 | 9.9500  | 14.9000 | 0.6678 | 36.8901  | 0.4874 |
| 11.9000 | 10.0000 | 14.8000 | 0.6757 | 36.8901  | 0.4932 |
| 11.9000 | 10.0000 | 15.0000 | 0.6667 | 36.8901  | 0.4866 |
| 14.9500 | 9.1000  | 16.1000 | 0.5652 | 46.3451  | 0.4126 |
| 14.9500 | 8.8000  | 16.6500 | 0.5285 | 46.3451  | 0.3858 |
| 14.9500 | 9.1000  | 16.2000 | 0.5617 | 46.3451  | 0.4100 |
| 22.3000 | 6.3000  | 14.4000 | 0.4375 | 69.1301  | 0.3193 |
| 22.3000 | 6.5000  | 14.5000 | 0.4483 | 69.1301  | 0.3272 |
| 22.3000 | 6.5500  | 14.6500 | 0.4471 | 69.1301  | 0.3263 |
| 22.3000 | 6.6000  | 14.8000 | 0.4459 | 69.1301  | 0.3255 |
| 37.0000 | 8.1500  | 21.9000 | 0.3721 | 114.7002 | 0.2716 |
| 37.0000 | 7.1500  | 19.1500 | 0.3734 | 114.7002 | 0.2725 |
| 37.0000 | 6.8000  | 18.7000 | 0.3636 | 114.7002 | 0.2654 |
| 37.0000 | 7.9500  | 21.0000 | 0.3786 | 114.7002 | 0.2763 |

TABLE A-54

ANGLE=90.00

YC=0.3226 CM

CS=1.411

| X(CM)   | P-ACT   | P-AIR   | CW     | X/YC     | CW/CS  |
|---------|---------|---------|--------|----------|--------|
| 0.0000  | 14.8000 | 10.5000 | 1.4095 | 0.0000   | 0.9990 |
| 0.0000  | 13.6000 | 9.8000  | 1.3878 | 0.0000   | 0.9835 |
| 0.0000  | 21.7000 | 15.4500 | 1.4045 | 0.0000   | 0.9954 |
| 0.0000  | 21.1000 | 14.7500 | 1.4305 | 0.0000   | 1.0138 |
| 1.0000  | 21.2000 | 14.9000 | 1.4228 | 3.1000   | 1.0084 |
| 1.0000  | 21.3000 | 14.8000 | 1.4392 | 3.1000   | 1.0200 |
| 1.8700  | 20.4500 | 14.8500 | 1.3771 | 5.7970   | 0.9760 |
| 1.8700  | 21.1000 | 14.9000 | 1.4161 | 5.7970   | 1.0036 |
| 3.0000  | 19.6000 | 15.5000 | 1.2645 | 9.3000   | 0.8962 |
| 3.0000  | 18.6000 | 14.8000 | 1.2568 | 9.3000   | 0.8907 |
| 4.9000  | 16.0000 | 15.0000 | 1.0667 | 15.1900  | 0.7560 |
| 4.9000  | 15.7500 | 14.6000 | 1.0788 | 15.1900  | 0.7645 |
| 6.9000  | 13.7500 | 15.0000 | 0.9167 | 21.3900  | 0.6497 |
| 6.9000  | 13.5000 | 15.6000 | 0.8654 | 21.3900  | 0.6133 |
| 6.9000  | 13.7500 | 15.4000 | 0.8929 | 21.3900  | 0.6328 |
| 8.9000  | 12.1000 | 15.5500 | 0.7781 | 27.5901  | 0.5515 |
| 8.9000  | 11.8000 | 14.9000 | 0.7919 | 27.5901  | 0.5613 |
| 8.9000  | 11.5500 | 15.0000 | 0.7700 | 27.5901  | 0.5457 |
| 11.9000 | 9.6500  | 14.4500 | 0.6678 | 36.8901  | 0.4733 |
| 11.9000 | 9.9500  | 14.4000 | 0.6910 | 36.8901  | 0.4897 |
| 14.9500 | 9.2000  | 10.7000 | 0.8598 | 46.3451  | 0.6094 |
| 14.9500 | 8.5000  | 14.7000 | 0.5782 | 46.3451  | 0.4098 |
| 22.3000 | 7.2000  | 16.0000 | 0.4500 | 69.1301  | 0.3189 |
| 22.3000 | 7.0000  | 15.6000 | 0.4487 | 69.1301  | 0.3180 |
| 22.3000 | 6.7500  | 15.5000 | 0.4355 | 69.1301  | 0.3086 |
| 37.0000 | 2.7500  | 11.4000 | 0.2412 | 114.7002 | 0.1710 |
| 37.0000 | 2.6000  | 10.2500 | 0.2537 | 114.7002 | 0.1798 |

TABLE A-55

ANGLE=90.00

YC=0.6350 CM

CS=0.835

| X(CM)   | P-ACT   | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|---------|---------|--------|---------|--------|
| 0.0000  | 12.2000 | 15.0000 | 0.8133 | 0.0000  | 0.9741 |
| 0.0000  | 12.3000 | 14.9500 | 0.8227 | 0.0000  | 0.9853 |
| 1.0000  | 13.0000 | 15.8000 | 0.8228 | 1.5748  | 0.9854 |
| 1.0000  | 11.7000 | 14.2000 | 0.8239 | 1.5748  | 0.9868 |
| 1.0000  | 11.2000 | 13.5000 | 0.8296 | 1.5748  | 0.9936 |
| 1.8700  | 12.2500 | 15.1500 | 0.8086 | 2.9449  | 0.9684 |
| 1.8700  | 11.9000 | 14.8000 | 0.8041 | 2.9449  | 0.9629 |
| 3.0000  | 12.4000 | 14.6500 | 0.8464 | 4.7244  | 1.0137 |
| 3.0000  | 13.2500 | 15.7000 | 0.8439 | 4.7244  | 1.0107 |
| 4.9000  | 12.1500 | 16.3000 | 0.7454 | 7.7165  | 0.8927 |
| 4.9000  | 11.9000 | 15.1000 | 0.7881 | 7.7165  | 0.9438 |
| 4.9000  | 11.7000 | 15.1500 | 0.7723 | 7.7165  | 0.9249 |
| 4.9000  | 11.7000 | 15.6500 | 0.7476 | 7.7165  | 0.8953 |
| 6.9000  | 9.9000  | 14.0000 | 0.7071 | 10.8661 | 0.8469 |
| 6.9000  | 10.7000 | 14.8000 | 0.7230 | 10.8661 | 0.8658 |
| 6.9000  | 10.0000 | 14.7000 | 0.6803 | 10.8661 | 0.8147 |
| 6.9000  | 10.5000 | 14.8000 | 0.7095 | 10.8661 | 0.8497 |
| 8.9000  | 9.2000  | 15.6000 | 0.5897 | 14.0157 | 0.7063 |
| 8.9000  | 9.1000  | 15.3000 | 0.5948 | 14.0157 | 0.7123 |
| 8.9000  | 9.3000  | 15.5000 | 0.6000 | 14.0157 | 0.7186 |
| 11.9000 | 7.3000  | 14.8500 | 0.4916 | 18.7402 | 0.5887 |
| 11.9000 | 7.4000  | 15.2000 | 0.4868 | 18.7402 | 0.5830 |
| 11.9000 | 7.5000  | 15.5000 | 0.4839 | 18.7402 | 0.5795 |
| 14.9500 | 5.7000  | 14.1000 | 0.4043 | 23.5433 | 0.4841 |
| 14.9500 | 6.0500  | 14.8000 | 0.4088 | 23.5433 | 0.4896 |
| 14.9500 | 6.0000  | 14.6000 | 0.4110 | 23.5433 | 0.4922 |
| 22.3000 | 4.0000  | 15.1000 | 0.2649 | 35.1181 | 0.3172 |
| 22.3000 | 3.9000  | 14.8000 | 0.2635 | 35.1181 | 0.3156 |

TABLE A-56

ANGLE=90.00  
 YC=0.6350 CM  
 CS=0.717

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 7.7000 | 10.7000 | 0.7196 | 0.0000  | 1.0037 |
| 0.0000  | 8.1000 | 11.1500 | 0.7265 | 0.0000  | 1.0132 |
| 1.0000  | 7.7000 | 11.0000 | 0.7000 | 1.5748  | 0.9763 |
| 1.0000  | 7.7000 | 10.8000 | 0.7130 | 1.5748  | 0.9944 |
| 1.8700  | 7.6500 | 11.0000 | 0.6955 | 2.9449  | 0.9700 |
| 1.8700  | 7.7000 | 10.8000 | 0.7130 | 2.9449  | 0.9944 |
| 1.8700  | 7.5000 | 10.6000 | 0.7075 | 2.9449  | 0.9868 |
| 3.0000  | 7.7000 | 11.0000 | 0.7000 | 4.7244  | 0.9763 |
| 3.0000  | 7.7500 | 11.0000 | 0.7045 | 4.7244  | 0.9826 |
| 4.9000  | 7.2000 | 11.0000 | 0.6545 | 7.7165  | 0.9129 |
| 4.9000  | 7.2500 | 10.8000 | 0.6713 | 7.7165  | 0.9363 |
| 4.9000  | 7.1000 | 10.8500 | 0.6544 | 7.7165  | 0.9127 |
| 6.9000  | 6.3000 | 11.1000 | 0.5676 | 10.8661 | 0.7916 |
| 6.9000  | 6.1500 | 11.0000 | 0.5591 | 10.8661 | 0.7798 |
| 8.9000  | 5.4000 | 11.4000 | 0.4737 | 14.0157 | 0.6606 |
| 8.9000  | 5.3500 | 11.1500 | 0.4798 | 14.0157 | 0.6692 |
| 8.9000  | 5.2000 | 11.0000 | 0.4727 | 14.0157 | 0.6593 |
| 11.9000 | 4.1500 | 11.1000 | 0.3739 | 18.7402 | 0.5214 |
| 11.9000 | 4.0000 | 10.6500 | 0.3756 | 18.7402 | 0.5238 |
| 14.9500 | 3.4000 | 10.8000 | 0.3148 | 23.5433 | 0.4391 |
| 14.9500 | 3.4000 | 10.8000 | 0.3148 | 23.5433 | 0.4391 |
| 22.3000 | 2.7000 | 10.8000 | 0.2500 | 35.1181 | 0.3487 |
| 22.3000 | 2.6000 | 11.0000 | 0.2364 | 35.1181 | 0.3297 |
| 22.3000 | 2.6000 | 11.3000 | 0.2301 | 35.1181 | 0.3209 |

TABLE A-57

ANGLE=90.00  
 YC=0.6350 CM  
 CS=0.706

| X(CM)   | P=ACT  | P=AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 5.5000 | 8.6000  | 0.6395 | 0.0000  | 0.9059 |
| 0.0000  | 7.2000 | 11.3000 | 0.6372 | 0.0000  | 0.9025 |
| 0.0000  | 1.000  | 8.2000  | 0.6220 | 0.0000  | 0.8810 |
| 0.0000  | 7.6000 | 11.0000 | 0.6909 | 0.0000  | 0.9786 |
| 0.0000  | 7.8000 | 10.8000 | 0.7222 | 0.0000  | 1.0230 |
| 1.0000  | 7.6000 | 10.9000 | 0.6972 | 1.5748  | 0.9876 |
| 1.0000  | 7.8500 | 11.6000 | 0.6767 | 1.5748  | 0.9585 |
| 1.0000  | 7.5000 | 10.7000 | 0.7009 | 1.5748  | 0.9928 |
| 1.8700  | 7.5000 | 11.1000 | 0.6757 | 2.9449  | 0.9570 |
| 1.8700  | 7.5500 | 10.9100 | 0.6920 | 2.9449  | 0.9802 |
| 3.0000  | 7.6000 | 11.2000 | 0.6786 | 4.7244  | 0.9611 |
| 3.0000  | 7.1000 | 10.2000 | 0.6961 | 4.7244  | 0.9859 |
| 4.9000  | 6.5000 | 10.4000 | 0.6250 | 7.7165  | 0.8853 |
| 4.9000  | 6.8000 | 10.6000 | 0.6415 | 7.7165  | 0.9087 |
| 6.9000  | 6.2500 | 11.0000 | 0.5682 | 10.8661 | 0.8048 |
| 6.9000  | 6.0000 | 10.6000 | 0.5660 | 10.8661 | 0.8018 |
| 8.9000  | 5.4000 | 11.2000 | 0.4821 | 14.0157 | 0.6829 |
| 8.9000  | 5.5000 | 11.4000 | 0.4825 | 14.0157 | 0.6834 |
| 11.9000 | 4.4000 | 11.1000 | 0.3964 | 18.7402 | 0.5615 |
| 11.9000 | 4.3000 | 10.1500 | 0.4236 | 18.7402 | 0.6001 |
| 11.9000 | 4.3500 | 11.3000 | 0.3850 | 18.7402 | 0.5453 |
| 11.9000 | 4.0000 | 10.7000 | 0.3738 | 18.7402 | 0.5295 |
| 14.9500 | 3.2000 | 10.9000 | 0.2936 | 23.5433 | 0.4158 |
| 14.9500 | 3.8000 | 11.2000 | 0.3393 | 23.5433 | 0.4806 |
| 14.9500 | 3.6500 | 11.5000 | 0.3174 | 23.5433 | 0.4496 |
| 22.3000 | 2.8000 | 11.1500 | 0.2511 | 35.1181 | 0.3557 |
| 22.3000 | 2.7000 | 11.0000 | 0.2455 | 35.1181 | 0.3477 |
| 22.3000 | 2.7500 | 11.3000 | 0.2434 | 35.1181 | 0.3447 |



TABLE A-58

ANGLE=90.00

YC=0.6426 CM

CS=1.168

|         |         |         |        |         |        |
|---------|---------|---------|--------|---------|--------|
| 0.0000  | 17.6000 | 15.5000 | 1.1355 | 0.0000  | 0.9722 |
| 0.0000  | 16.9000 | 14.7000 | 1.1497 | 0.0000  | 0.9843 |
| 0.0000  | 17.7000 | 15.5500 | 1.1383 | 0.0000  | 0.9745 |
| 1.0000  | 17.4000 | 14.8000 | 1.1757 | 1.5561  | 1.0066 |
| 1.0000  | 16.3000 | 14.4000 | 1.1319 | 1.5561  | 0.9691 |
| 1.0000  | 16.2000 | 14.5000 | 1.1172 | 1.5561  | 0.9565 |
| 1.8700  | 16.5000 | 14.3000 | 1.1538 | 2.9100  | 0.9879 |
| 1.8700  | 16.2000 | 14.0000 | 1.1571 | 2.9100  | 0.9907 |
| 1.8700  | 16.0000 | 14.2000 | 1.1268 | 2.9100  | 0.9647 |
| 1.8700  | 15.5000 | 13.8500 | 1.1191 | 2.9100  | 0.9582 |
| 3.0000  | 17.8000 | 16.1000 | 1.1056 | 4.6684  | 0.9466 |
| 3.0000  | 16.7000 | 14.6000 | 1.1438 | 4.6684  | 0.9793 |
| 3.0000  | 16.4000 | 14.6000 | 1.1233 | 4.6684  | 0.9617 |
| 4.9000  | 15.5500 | 14.0000 | 1.1107 | 7.6250  | 0.9510 |
| 4.9000  | 16.8000 | 15.1500 | 1.1089 | 7.6250  | 0.9494 |
| 4.9000  | 16.4000 | 14.8000 | 1.1081 | 7.6250  | 0.9487 |
| 6.9000  | 13.9500 | 14.6000 | 0.9555 | 10.7373 | 0.8180 |
| 6.9000  | 14.2000 | 14.7000 | 0.9660 | 10.7373 | 0.8270 |
| 6.9000  | 12.6500 | 13.6000 | 0.9301 | 10.7373 | 0.7964 |
| 8.9000  | 15.7000 | 19.5000 | 0.8051 | 13.8496 | 0.6893 |
| 8.9000  | 16.2500 | 20.5000 | 0.7927 | 13.8496 | 0.6787 |
| 8.9000  | 15.5700 | 19.7000 | 0.7904 | 13.8496 | 0.6767 |
| 11.9000 | 12.4500 | 19.8000 | 0.6288 | 18.5179 | 0.5383 |
| 11.9000 | 12.3000 | 19.8000 | 0.6212 | 18.5179 | 0.5319 |
| 11.9000 | 13.1000 | 20.5500 | 0.6375 | 18.5179 | 0.5458 |
| 14.9500 | 9.8500  | 18.2000 | 0.5412 | 23.2641 | 0.4634 |
| 14.9500 | 10.6500 | 19.5000 | 0.5462 | 23.2641 | 0.4676 |
| 14.9500 | 10.6500 | 19.5000 | 0.5462 | 23.2641 | 0.4676 |
| 14.9500 | 10.0000 | 19.5000 | 0.5128 | 23.2641 | 0.4391 |
| 14.9500 | 9.8000  | 18.4000 | 0.5326 | 23.2641 | 0.4560 |
| 22.3000 | 7.7500  | 18.5500 | 0.4178 | 34.7017 | 0.3577 |
| 22.3000 | 7.5000  | 17.7000 | 0.4237 | 34.7017 | 0.3628 |
| 22.3000 | 7.6000  | 18.6000 | 0.4086 | 34.7017 | 0.3498 |

TABLE A-59

ANGLE=90.00  
 YC=1.2624 CM  
 CS=0.499

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 5.2000 | 11.3000 | 0.4602 | 0.0000  | 0.9222 |
| 0.0000  | 4.9500 | 10.8500 | 0.4562 | 0.0000  | 0.9143 |
| 0.0000  | 5.4000 | 11.0000 | 0.4909 | 0.0000  | 0.9838 |
| 0.0000  | 5.2500 | 10.8000 | 0.4861 | 0.0000  | 0.9742 |
| 1.0000  | 5.2000 | 10.5000 | 0.4952 | 0.7922  | 0.9925 |
| 1.0000  | 5.2500 | 10.4000 | 0.5048 | 0.7922  | 1.0116 |
| 1.8700  | 5.1000 | 10.3000 | 0.4951 | 1.4813  | 0.9923 |
| 1.8700  | 5.3500 | 10.6000 | 0.5047 | 1.4813  | 1.0115 |
| 3.0000  | 5.5000 | 11.2000 | 0.4911 | 2.3765  | 0.9841 |
| 3.0000  | 5.2500 | 10.6500 | 0.4930 | 2.3765  | 0.9879 |
| 4.9000  | 5.3500 | 11.2500 | 0.4756 | 3.8816  | 0.9530 |
| 4.9000  | 5.4000 | 11.2000 | 0.4821 | 3.8816  | 0.9662 |
| 6.9000  | 5.1000 | 10.9000 | 0.4679 | 5.4659  | 0.9377 |
| 6.9000  | 5.3500 | 11.5000 | 0.4652 | 5.4659  | 0.9323 |
| 6.9000  | 5.1000 | 11.4000 | 0.4474 | 5.4659  | 0.8965 |
| 8.9000  | 4.2000 | 10.1000 | 0.4158 | 7.0502  | 0.8333 |
| 8.9000  | 4.4000 | 10.9500 | 0.4018 | 7.0502  | 0.8053 |
| 11.9000 | 3.5000 | 10.5000 | 0.3333 | 9.4266  | 0.6680 |
| 11.9000 | 3.5500 | 10.9000 | 0.3257 | 9.4266  | 0.6527 |
| 14.9500 | 2.8000 | 9.9000  | 0.2828 | 11.8427 | 0.5668 |
| 14.9500 | 3.0000 | 10.8000 | 0.2778 | 11.8427 | 0.5567 |
| 14.9500 | 3.1000 | 10.8000 | 0.2870 | 11.8427 | 0.5752 |
| 22.3000 | 2.5000 | 11.5000 | 0.2174 | 17.6650 | 0.4357 |
| 22.3000 | 2.4000 | 11.1000 | 0.2162 | 17.6650 | 0.4333 |

TABLE A-60

ANGLE=90.00  
 YC=1.2624 CM  
 CS=0.518

| X(CM)   | P-ACT  | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|--------|---------|--------|---------|--------|
| 0.0000  | 5.0000 | 10.0000 | 0.5000 | 0.0000  | 0.9653 |
| 0.0000  | 4.8000 | 9.7000  | 0.4948 | 0.0000  | 0.9553 |
| 0.0000  | 5.3000 | 10.6000 | 0.5000 | 0.0000  | 0.9653 |
| 0.0000  | 5.6500 | 11.2500 | 0.5022 | 0.0000  | 0.9695 |
| 1.0000  | 5.5000 | 10.3000 | 0.5340 | 0.7922  | 1.0309 |
| 1.8700  | 5.5000 | 10.7000 | 0.5140 | 1.4813  | 0.9923 |
| 3.0000  | 5.5500 | 11.1500 | 0.4978 | 2.3765  | 0.9609 |
| 4.9000  | 5.4000 | 10.5500 | 0.5118 | 3.8816  | 0.9881 |
| 6.9000  | 4.8000 | 10.3000 | 0.4660 | 5.4659  | 0.8997 |
| 6.9000  | 4.9500 | 10.6500 | 0.4648 | 5.4659  | 0.8973 |
| 8.9000  | 4.5000 | 10.4000 | 0.4327 | 7.0502  | 0.8353 |
| 8.9000  | 4.3500 | 10.2000 | 0.4265 | 7.0502  | 0.8233 |
| 11.9000 | 3.5000 | 10.0000 | 0.3500 | 9.4266  | 0.6757 |
| 11.9000 | 3.9500 | 11.2000 | 0.3527 | 9.4266  | 0.6808 |
| 14.9500 | 3.1500 | 10.7000 | 0.2944 | 11.8427 | 0.5683 |
| 14.9500 | 3.0000 | 10.4000 | 0.2885 | 11.8427 | 0.5569 |
| 22.3000 | 2.2500 | 10.4000 | 0.2163 | 17.6650 | 0.4177 |
| 22.3000 | 2.5000 | 11.0000 | 0.2273 | 17.6650 | 0.4388 |
| 22.3000 | 2.2000 | 11.1000 | 0.1982 | 17.6650 | 0.3826 |

TABLE A-61

ANGLE=90.00  
 YC=1.2725 CM  
 CS=0.701

| X(CM)   | P-ACT   | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|---------|---------|--------|---------|--------|
| 0.0000  | 40.0000 | 60.0000 | 0.6667 | 0.0000  | 0.9510 |
| 0.0000  | 50.0000 | 83.3000 | 0.6002 | 0.0000  | 0.8563 |
| 0.0000  | 55.0000 | 79.0000 | 0.6962 | 0.0000  | 0.9932 |
| 1.0000  | 56.0000 | 79.5000 | 0.7044 | 0.7858  | 1.0049 |
| 1.8700  | 56.0000 | 81.0000 | 0.6914 | 1.4695  | 0.9862 |
| 3.0000  | 58.5000 | 82.5000 | 0.7091 | 2.3575  | 1.0115 |
| 4.9000  | 56.5000 | 84.0000 | 0.6726 | 3.8506  | 0.9595 |
| 6.9000  | 52.0000 | 79.0000 | 0.6582 | 5.4222  | 0.9390 |
| 8.9000  | 48.1000 | 83.2000 | 0.5781 | 6.9939  | 0.8247 |
| 11.9000 | 41.2000 | 85.2000 | 0.4836 | 9.3514  | 0.6898 |
| 14.9500 | 33.7000 | 82.2000 | 0.4100 | 11.7482 | 0.5848 |
| 22.3000 | 27.5000 | 81.0000 | 0.3395 | 17.5240 | 0.4843 |

TABLE A-62

ANGLE=90.00

YC=1.2725 CM

CS=0.702

| X(CM)   | P-ACT   | P-AIR   | CW     | X/YC    | CW/CS  |
|---------|---------|---------|--------|---------|--------|
| 0.0000  | 10.8500 | 17.1000 | 0.6345 | 0.0000  | 0.9039 |
| 0.0000  | 11.1000 | 17.6500 | 0.6289 | 0.0000  | 0.8959 |
| 0.0000  | 10.1000 | 14.9000 | 0.6779 | 0.0000  | 0.9656 |
| 0.0000  | 14.1000 | 20.6000 | 0.6845 | 0.0000  | 0.9750 |
| 0.0000  | 12.2000 | 17.3500 | 0.7032 | 0.0000  | 1.0017 |
| 0.0000  | 13.8000 | 19.7000 | 0.7005 | 0.0000  | 0.9979 |
| 0.0000  | 13.2000 | 19.1000 | 0.6911 | 0.0000  | 0.9845 |
| 0.0000  | 13.8000 | 19.7000 | 0.7005 | 0.7858  | 0.9979 |
| 1.0000  | 12.0500 | 17.1500 | 0.7026 | 0.7858  | 1.0009 |
| 1.0000  | 13.9500 | 19.9500 | 0.6992 | 0.7858  | 0.9961 |
| 1.0000  | 14.1000 | 19.8000 | 0.7121 | 1.4695  | 1.0144 |
| 1.8700  | 13.9000 | 20.1000 | 0.6915 | 1.4695  | 0.9851 |
| 1.8700  | 14.3500 | 19.6000 | 0.7321 | 1.4695  | 1.0429 |
| 1.8700  | 13.9500 | 20.2000 | 0.6906 | 1.4695  | 0.9838 |
| 3.0000  | 14.2500 | 20.2000 | 0.7054 | 2.3575  | 1.0049 |
| 3.0000  | 14.3000 | 20.4000 | 0.7010 | 2.3575  | 0.9985 |
| 3.0000  | 13.8000 | 19.8500 | 0.6952 | 2.3575  | 0.9903 |
| 4.9000  | 14.1000 | 20.0500 | 0.7032 | 3.8506  | 1.0018 |
| 4.9000  | 13.9000 | 20.2000 | 0.6881 | 3.8506  | 0.9802 |
| 4.9000  | 13.7500 | 20.4000 | 0.6740 | 3.8506  | 0.9601 |
| 6.9000  | 12.9000 | 19.7000 | 0.6548 | 5.4222  | 0.9328 |
| 6.9000  | 12.8000 | 19.6000 | 0.6531 | 5.4222  | 0.9303 |
| 6.9000  | 12.6000 | 19.6500 | 0.6412 | 5.4222  | 0.9134 |
| 6.9000  | 12.2500 | 18.7500 | 0.6533 | 5.4222  | 0.9307 |
| 8.9000  | 11.8000 | 20.5500 | 0.5742 | 6.9939  | 0.8180 |
| 8.9000  | 11.6000 | 19.9000 | 0.5829 | 6.9939  | 0.8304 |
| 8.9000  | 11.0500 | 19.0000 | 0.5816 | 6.9939  | 0.8285 |
| 11.9000 | 10.2000 | 21.0500 | 0.4846 | 9.3514  | 0.6903 |
| 11.9000 | 10.4500 | 21.0000 | 0.4976 | 9.3514  | 0.7089 |
| 11.9000 | 9.9000  | 20.4000 | 0.4853 | 9.3514  | 0.6913 |
| 14.9500 | 8.3000  | 20.3500 | 0.4079 | 11.7482 | 0.5810 |
| 14.9500 | 8.5500  | 20.9000 | 0.4091 | 11.7482 | 0.5828 |
| 14.9500 | 8.1000  | 19.5000 | 0.4154 | 11.7482 | 0.5917 |
| 22.3000 | 7.0000  | 20.5000 | 0.3415 | 17.5240 | 0.4864 |
| 22.3000 | 6.6500  | 19.6000 | 0.3393 | 17.5240 | 0.4833 |